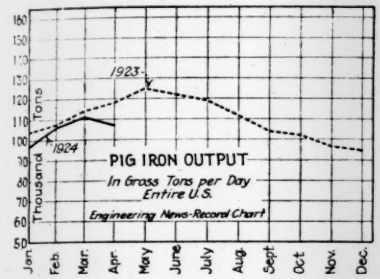
CONSTRUCTION NEWS

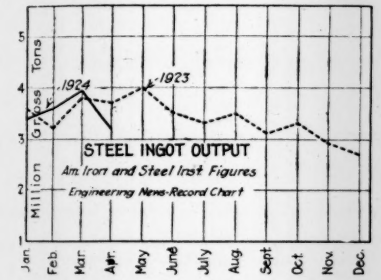
Engineering News-Record, May 22, 1924

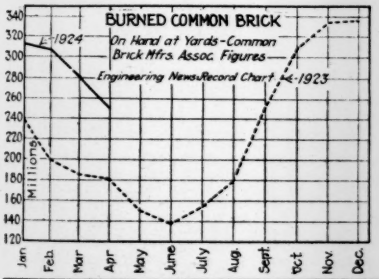
The Construction Barometer

Drop in Iron and Steel Production—Lumber and Cement Output Increased—Fewer Building Permits Being Issued—Decline in Large Contract Letting

THE drop in the pig-iron output and falling off in steel production and demand offer sharp contrast to the upward trend in lumber and cement production and increased consumption of common brick. This situation is depicted in the accompanying charts. Production appears to be following the regular seasonal trends so far as the basic materials are concerned. Cement and brick reserves, however, are heavier than a year ago, while there is less lumber and steel on hand. The whole production situation is settling down to a point where the mill output will be curtailed to meet the immediate needs of the consumer and the buyer will endeavor to keep warehouse stocks as low as possible. There are fewer building permits being issued and large contract letting has fallen off during the last week. A slight gain, however, is noted in the number of large public jobs now out for bids.




STEEL INGOT OUTPUT
Am. Iron and Steel Inst. Figures
Engineering News-Record Chart
Million Gross Tons
1923
1924
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec



Engineering News-Record Statistics

Minimum on water-works and excavations, $15,000; other public work, $25,000; industrial buildings, $40,000; commercial buildings, $150,000.

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
May 1	23,838,000	20,548,000	44,386,000
May 8	30,319,000	38,829,000	69,148,000
May 15	21,484,000	25,500,000	46,984,000
3 weeks	$75,641,000	$84,877,000	$160,518,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

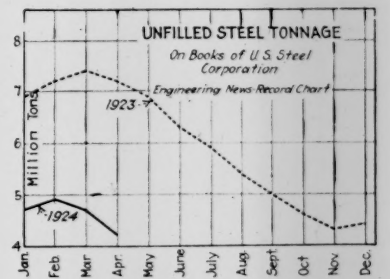
Week Ended	Public No.	Public Work	Private No.	Private Work
May 1	20	4,801,000	33	11,761,000
May 8	10	2,637,000	47	19,111,000
May 15	9	2,261,000	38	20,937,000
3 weeks	39	$9,699,000	118	$51,809,000

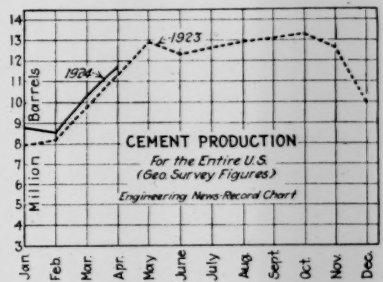
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

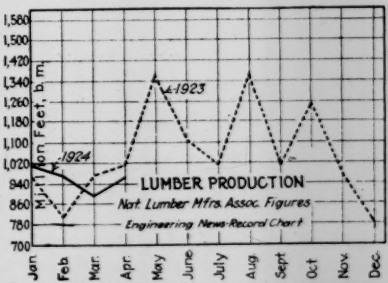
Week Ended	Private	All Buildings	Public Streets and Roads	Public Water-works and Sewers	Public All Public
May 1	30	50	100	51	249
May 8	35	45	96	40	198
May 15	38	44	98	41	214

STEEL AND PINE LUMBER SLIGHTLY WEAKER

	Quoted on May 22 at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.10 @2.25	$2.10 @2.35	May 15
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M.ft.	60.00	61.00	May 15
Fir, San Fran., M.ft.	36.00	38.00	Jan. 24
Common labor, hr.	.56	.55	Apr. 24


UNFILLED STEEL TONNAGE
On Books of U.S. Steel Corporation
Engineering News-Record Chart
Million Tons
1923
1924
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec





PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
May 23	Silver Creek, N. Y.	May 8
May 23	New York, N. Y.	May 15
May 23	Brooklyn, N. Y.	May 15
May 26	Highlands, N. J. Adv. May 8 to 22.	May 8
May 26	Fredonia, N. Y. Adv. May 15 and 22.	May 15
May 26	Villa Park, Ill.	May 22
May 26	Toledo, O.	May 22
May 26	Iron Mountain, Mich.	May 22
May 27	Minneapolis, Tenn.	May 22
May 27	Keansburg (Arlington P. O.), N. J.	May 8
May 27	Kingsford, Mich. Adv. May 22.	May 22
May 28	Long Island City, N. Y.	May 22
May 28	New York, N. Y.	May 22
May 29	Brooklyn, N. Y.	May 22
May 29	Long Island City, N. Y.	May 22
May 29	Waconia, Minn.	May 22
May 29	Vandalia, Ill. Adv. May 22.	May 22
May 30	Inman, S. C.	May 22
June 2	Racine, Wis.	May 1
June 6	Denver, Colo. Adv. May 8 to 22.	May 15
June 6	Fulton, N. Y. Adv. May 22.	May 22
June 12	Cleveland, O.	May 15
June 14	Tucumcari, N. M. Adv. May 15 and 22.	May 15
June 24	Tampa, Fla. Adv. May 22.	May 22
May 26	Detroit, Mich.	May 22

SEWERS

Bids Close		See Eng. News-Record
May 26	Toledo, O.	May 22
May 27	Keansburg (Arlington P. O.), N. J.	May 8
May 27	Long Island City, N. Y.	May 22
May 28	Wash., D. C.	May 1
May 29	Waconia, Minn.	May 22
May 29	Astoria, Ill.	May 22
May 29	Kenosha, Wis.	May 22
June 2	Shelby, Mont.	May 8
June 2	San Diego, Calif.	May 22
June 3	St. Louis, Mo.	May 8
June 4	Philadelphia, Pa. Adv. May 22.	May 22
June 4	Sayreville, N. J. Adv. May 22.	May 22
June 6	Portland, Me.	May 15
June 18	Union City, Tenn. Adv. May 15 and 22.	May 15
May 24	Columbus, O.	May 8
May 26	Sunbury, Pa.	Apr. 10

Bids Close		See Eng. News-Record
BRIDGES		
May 26	California	May 8
May 26	New Jersey	May 15
May 26	Curwensville, Pa.	May 22
May 27	Vermont	May 22
May 27	New Richmond, Wis.	May 22
May 27	Dalton, Mass.	May 22
May 28	Michigan	May 22
May 29	Harrisburg, Ore. Adv. May 15 and 22.	May 15
June 2	Los Angeles, Calif.	May 8
June 2	New Jersey	May 22
June 3	West Chester, Pa. Adv. May 15 and 22.	May 22
June 3	Louisiana	May 22
June 5	Key West, Fla. Adv. May 8 to 22.	May 8
June 6	Milford, O.	May 15
June 9	Alabama	May 15
June 12	Albany, Ore. Adv. May 15 and 22.	May 15
June 18	Philadelphia, Pa. Adv. May 22.	May 22
June 27	Seattle, Wash. Adv. May 15 and 22.	May 15
DAMS		
May 31	Merced, Calif.	May 22
RAILWAYS		
May 31	California	May 22
EXCAVATION, DRAINAGE IRRIGATION		
May 23	Bluffton, Ind.	May 22
May 26	Paxton, Ill.	May 8
May 28	Merced, Calif.	May 22
May 29	Jefferson, Wis.	May 22
May 31	Danville, Ill.	May 8
May 31	Cumberland, Ont.	May 22
June 3	New Jersey Adv. May 15 and 22.	May 22
June 17	Lake Village, Ark.	May 22
STREETS AND ROADS		
May 23	New York, N. Y.	May 15
May 23	Wooster, O.	May 22
May 23	Evansville, Ind.	May 22
May 24	Haynesville, La.	May 8
May 24	Bement, Ill.	May 8
May 24	Noblesville, Ind.	May 22
May 25	Duluth, Minn.	May 15
May 25	Crown Point, Ind.	May 22
May 25	Boston, Mass.	May 22
May 26	East Boston (Boston P. O.), Mass.	May 22
May 26	Dorchester (Boston P. O.), Mass.	May 22
May 26	Decatur, Ala.	May 15
May 26	Plainfield, N. J. Adv. May 15 and 22.	May 15
May 26	Cleveland, O.	May 15
May 26	Michigan	May 15
May 26	Waukesha, Wis.	May 15
May 26	Chillicothe, Mo.	May 22
May 26	Sandwich, Ont.	May 22
May 27	Westmont, N. J.	May 22
May 27	Ottawa, Ont.	May 15
May 27	St. Louis, Mo.	May 8
May 27	Horicon, Wis.	May 15
May 27	Louisiana	May 15
May 27	Minnesota	May 15
May 27	Maryland Adv. May 15 and 22.	May 15
May 27	Michigan	May 15
May 27	Bastrop, La.	May 15
May 27	Vermont	May 22
May 27	Florence, S. C.	May 22
May 27	Meadville, Pa. Adv. May 22.	May 22
May 27	New Hampshire	May 22
May 27	Massachusetts	May 22
May 27	New York, N. Y.	May 22
May 28	Brooklyn, N. Y.	May 22
May 28	Michigan	May 22
May 28	Baltimore, Md.	May 22
May 28	Independence, Kan.	May 8
May 28	Port Washington, Wis.	May 22
May 29	St. George, N. Y.	May 22
May 29	Minneapolis, Kan.	May 8
May 29	Palo Pinto, Tex.	May 8
May 29	Alpine, Tex.	May 8
May 29	Vandalia, Ill.	May 15
May 29	Beckley, W. Va.	May 15
May 29	Michigan	May 22
May 29	Richmond, Ind.	May 22
May 29	Columbus, O.	May 22
May 29	Nebraska	May 22
May 29	Atkins, Ark.	May 22
May 30	Cameron, Tex.	May 8
May 30	Alice, Tex.	May 8
May 31	Waupaca, Wis.	May 15
May 31	Wichita, Kan.	May 8
June 1	Duluth, Minn.	Apr. 3
June 2	Shelby, Mont.	May 8
June 2	Huntsville, Ala.	May 15
June 2	Highland Falls, N. Y. Adv. May 8 to 22.	May 15
June 2	San Jose, Calif.	May 15
June 2	California	May 15
June 2	Clarington, O.	May 22
June 2	Mt. Holly, N. J. Adv. May 15 and 22.	May 22
June 2	Warsaw, Ind.	May 22
June 2	Michigan	May 22
June 2	Huntsville, Ala.	May 22
June 3	Franklin, Tex.	May 22
June 3	Massachusetts	May 22
June 3	Michigan	May 22
June 3	West Virginia Adv. May 22.	May 22
June 3	Rushville, Ind.	May 15
June 3	Carrizo Springs, Texas	May 15
June 3	Pennsylvania Adv. May 15 and 22.	May 15
June 3	West Virginia	May 22
June 3	Fort Wayne, Ind.	May 22
June 3	New York Adv. May 15 and 22.	May 22
June 4	Delaware	May 15
June 4	Winchester, Ind.	May 22
June 4	Freehold, N. J. Adv. May 22.	May 22
June 4	Michigan	May 22
June 5	Louisiana	May 22
June 5	Virginia Adv. May 22.	May 22
June 5	North Little Rock, Ark.	May 22
June 5	Key West, Fla. Adv. May 8 to 22.	May 8
June 5	Elkins, W. Va.	May 22
June 5	Sumter, S. C.	May 22
June 6	Georgia Adv. May 22.	May 22
June 9	Alabama	May 15
June 9	Sweetwater, Texas	May 22
June 10	Birmingham, Ala.	May 22
June 10	Oskaloosa, Kan.	May 22
June 16	Alabama	May 22
June 16	Michigan	May 22
July 1	Lisbon, O.	May 15
July 1	Lisbon, O.	May 22
INDUSTRIAL WORKS		
May 26	Detroit, Minn.	May 22
June 10	Harrisburg, Pa. Adv. May 22.	May 22
June 17	Saratoga Springs, N. Y. Adv. May 22.	May 22
BUILDINGS		
May 26	Columbus, O.	May 1
May 26	Hudson Falls, N. Y.	May 22
May 26	Milwaukee, Wis.	May 22
May 26	Montreal, Que.	May 22
May 27	Washington, D. C.	May 22
May 27	Allentown, Pa.	May 22
May 28	Baltimore, Md.	May 15
May 28	Trenton Junction (Trenton P. O.), N. J.	May 15
May 31	Clymer, Pa.	May 22
May 31	Atlantic City, N. J.	May 22
June 1	Canton, Mo.	May 8
June 2	Mt. Pleasant, N. Y. Adv. May 22.	May 22
June 2	Columbus, O.	May 8
June 2	Grove City, Pa.	May 15
June 2	Columbus, O.	May 22
June 2	Kansas City, Kan.	May 22
June 3	Koch, Mo.	May 8
June 3	Caruthersville, Mo.	May 22
June 5	Upper Darby, Pa.	May 15
June 5	Galveston, Tex.	May 15
June 5	Mansfield, O.	May 22
June 5	Pine Bluff, Ark.	May 22
June 5	Denver, Col.	May 22
June 9	Irvington, N. J. Adv. May 22.	May 22
June 10	New York, N. Y.	May 22
June 10	Burlington, Wis.	May 22
June 10	New York, N. Y.	May 15
June 14	Brooklyn, N. Y.	May 22
June 16	Greigsville, N. Y. Adv. May 15 and 22.	May 22
June 18	Asbury Park, N. J.	May 22
July 1	Dallas, Tex.	May 22
FEDERAL GOVERNMENT WORK		
May 26	School, etc.—Mille Lacs, Minn.	May 15
May 28	Tenders—Portland, Ore. Adv. May 1, 15 and 22.	May 1
May 28	Boiler—Pawtucket, R. I.	May 8
May 28	Power House — Huntington, W. Va.	May 8
May 28	Boiler — Leavenworth, Kan.	May 8
May 28	Road—Nevada	May 8
May 28	Bridge — San Francisco, Cal.	May 15
May 28	Road—San Francisco, Cal.	May 15
May 28	Tube Building—Annapolis, Md.	May 22
May 31	Dredging—Detroit, Mich. Adv. May 1 to 22.	May 8
June 2	Cottages—Cincinnati, O. Adv. May 15 and 22.	May 15
June 2	Steel Barge—Chicago, Ill.	May 22
June 4	Hospital Buildings — San Diego, Calif.	May 8
June 5	Derrick Boat—Chicago, Ill.	May 22
June 10	Dredging, etc.—Jacksonville, Fla.	May 22
June 11	Post Office—Saranac Lake, N. Y.	May 8
June 11	Generating Plants—Pittsburgh, Pa. Adv. May 15 and 22.	May 15
June 12	Tower—Philadelphia, Pa. Adv. May 15 and 22.	May 22
June 12	Post Office—Dubois, Pa. Adv. May 22.	May 22
June 14	Operating Machinery—Florence, Ala. Adv. May 15 and 22.	May 15
June 16	Breakwater—Dunkirk Harbor, N. Y. Adv. May 22.	May 22
June 17	Post Office—Salesbury, Md.	May 22
June 18	Post Office — Salisbury, Md. Adv. May 22.	May 22
June 18	Dump Scows—Pittsburgh, Pa. Adv. May 22.	May 22
June 25	Bridges—Wilmington, Del. Adv. May 1 to 22.	May 1
Aug. 5	Bridge—Florence, Ala. Adv. May 15 and 22.	May 15
UNCLASSIFIED		
May 26	Heating and Ventilating Apparatus—New York, N. Y.	May 15
May 26	Heating and Ventilating Apparatus—Brooklyn, N. Y.	May 15
May 26	Heating and Ventilating Apparatus — Creedmoor (Jamaica P. O.), N. Y.	May 15
May 26	Heating and Ventilating Apparatus—St. George, N. Y.	May 15
May 26	Paving Blocks—Plymouth, Mass.	May 22
May 28	Heating and Ventilating — Baltimore, Md.	May 22
May 28	Heating System—Ogdensburg, N. Y. Adv. May 15 and 22.	May 22
May 28	Heating and Ventilating Apparatus—Brooklyn, N. Y.	May 22
May 28	Waterproofing Track Floors —Brooklyn, N. Y.	May 22
May 29	Milwaukee, Wis.	May 22
June 2	West Allis, Wis.	May 22
June 2	Steel—New York, N. Y.	May 22
June 6	Sea Wall, etc.—Tampa, Fla.	May 1
MATERIAL AND EQUIPMENT		
May 26	Road Roller, etc.—Milwaukee, Wis.	May 22
May 27	Cement—New York, N. Y.	May 22
May 28	Asphalt Macadam Binder, etc.—Brooklyn, N. Y.	May 22
May 28	Asphaltic Road Oil, Wire and Cable—Milwaukee, Wis.	May 22
May 31	Cement—Merced, Calif.	May 22
Aug. 29	Dredger—Brisbane, Queensland, Australia	Apr. 10

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. J., Maple Shade—Making plans pumping station and filter plant, 1 m.g. capacity. Remington & Vosbury, 509 Cooper St., Camden, engrs.

Ga., Barnesville—Voted $30,000 bonds for waterworks and sewers.

Wis., Kimberly—Soon takes bids two 500 g.p.m. pumps, 100,000 gal. steel tank on 110 ft. steel tower, deep well, airlift equipment, etc. $100,000. E. A. McMahon, c/o City Hall, Menasha, engr. Noted Apr. 24.

Wis., Green Bay—Allouez Twp. had plans prepared new waterworks. $75,000 bonds voted. H. R. Albert, Courthouse engr. Noted Apr. 24.

Mo., Perryville—Making plans reservoir distribution system, etc. $75,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, engrs. Noted Apr. 10.

Mo., Steele—Making preliminary plans reservoir, distribution mains, etc. $35,000. A. C. Moore, 222 Industrial Bldg., Joplin, engr.

Tex., Gilmer—Election May 27, $22,000 bonds waterworks extensions. R. M. Denman, mayor.

Tex., Grand Saline—Voted $50,000 bonds, waterworks improvements, incl. dam, pumping station and purification plant. H. N. Roberts, Lubbock, consult. engr.

Calif., Placerville—Plans to purchase 1,154 lin.ft. 8 in., 900 lin.ft. 6 in., and 2,950 lin.ft. 4 in. water pipe. C. H. Windham, city engr.

Ont., Aylmer—Voted $69,500 bonds 18,000 ft. 6 in. c.i. mains, hydrants, pumps, etc.

Ont., Port Credit—Making plans 12,000 ft. mostly 6 in. c.i. mains, hydrants, etc. $31,500. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Waterworks (Continued)

BIDS DESIRED

N. Y., Brooklyn — May 29, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Kings Highway, Mansfield and Delamere Places, Hegeman, Prospect, Flatlands, Lott, Bedford, Riverdale and Sheffield, Q, R and X Aves., East 26th, 27th, 29th, 59th, Douglass, 48th and 73rd Sts., here.

N. Y., Fulton — June 6, by H. S. Andrews, comr. Pub. Wks., furnishing one complete steam pumping unit 4 m.g. capacity, f.o.b. Fulton; adv. E. N.-R. May 22.

N. Y., Long Island City—May 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Calamus, Clermont, Mauriac and Holmes Aves., Hill, Ramsey, Van Dorn and Chauncey Sts., Boro Queens, here.

N. Y., Long Island City—May 29, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Skillman Ave. and Buckley St., 1st Ward, and Packard St., 2nd Ward, Boro Queens.

N. Y., New York—May 28, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Westchester Esplanade, Arnow, Adee, Barnes, Paulding, Radcliff and Yates Aves., also Crotona Parkway, Eames Pl., Grand Concourse, Longfellow, Sheridan, Teller and University Aves., East 165th, West 195th and McClellan Sts., here, Bronx Boro.

Fla., Tampa—June 24, by City Comn., pumping station, water treatment plant, pumping machinery, pipe, valves, etc. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. May 22.

O., Toledo—May 26, by Comrs. Lucas Co., Water Supply Line 50, Main Sewer Dist. 5, 9,943 lin.ft. 6 in. c.i. pipe, etc., $20,700; No. 69, in Sewer Dist. 11, 17,160 lin.ft. 6 in. and 2,745 ft. 8 in. c.i. pipe, etc., $42,200; No. 73, in Main Sewer Dist. 4, 3,050 lin.ft. 6 in. c.i. pipe, etc., $6,700; No. 74, in Main Sewer Dist. 9, 9,324 lin.ft. 6 in. and 2,650 lin.ft. 8 in. c.i. pipe, etc., $26,400; No. 80, Main Sewer Dist. 11, 6,545 lin.ft. 6 in., and 1,660 lin.ft. 8 in. c.i. pipe, etc., $18,300; No. 81, in Main Sewer Dist. 11, 6,025 lin.ft. 6 in. and 1,380 lin.ft. 8 in. c.i. pipe, $17,000. L. C. Boyatt, co. sanitary engr.

Mich., Iron Mountain—May 26, by W. A. Henze, chn. Bd. Water Comrs., laying 1,100 ft. 10 in., 6,600 ft. 8 in., 16,400 ft. 6 in. c.i. pipe, and specials. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Mich., Kingsford—May 27, by Village, c.i. mains, etc. L. W. Cox, genl. mgr.; adv. E. N.-R. May 22.

Ill., Villa Park — May 26, by village, 100,000 gal. steel tank, also two 12 in. wells. Suhr & Berryman, 105 North Clark St., Chicago, village engrs.

Minn., Minneapolis—May 27, by F. S. Gram, city purch. agt., 152 tons castings for Water Dept. N. W. Elsberg, city engr.

Minn., Waconia — May 29, by Village, waterworks system, incl. well, pump house and pump equipment, tank and tower, mains, $25,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs. Noted May 8.

Tex., Inman—May 30, by town, water and sewer systems, incl. 75,000 gal. tank and tower, 250,000 gal. concrete reservoir, one building, two 750 g.p.m. motor driven centrifugal pumps, two 10 in. wells, two deep well pumps, 13,280 ft. 6- to 10-in. c.i. pipe, 6,490 ft. 1¼ in. galvanized pipe; 38,116 ft. 8- to 12-in. sewer pipe, twenty-five 5 in. flush tank syphons, gate valves, boxes, etc.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co., May 7, 11,700 ft. 6- to 12-in. c.i. mains. Impvt. 350 C, from Kassouff & Co., 3182 West 25th St., $79,697. Noted May 1.

O., Cleveland — Dept. Pub. Utilities, Ridge Rd. main, Sect. 2, from J. Kalill & Jackson Co., 621 Bangor Bldg., $39,222 Noted May 8.

Minn., Minneapolis — F. S. Gram, city purch. agt., two 1 ton trucks for Water Dept., from Sturr Bullard Motor Co., 63 South 13th St., and W. H. Kuhlmann & Co., 605 West Bway., each bid $10,991 for two; two 7 ton gas locomotives, from W. H. Ziegler Co., 425 South 5th St., $2,790 each. Noted May 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall engine pits and gallery intake for Missouri River waterworks plant at Howards Bend, from Frazier-Davis Constr. Co., Arcade Bldg., $1,058,228. Noted Apr. 17.

Okla., Tulsa—Paving slopes of Mohawk Reservoir, Spavinaw Water Project, 41,000 sq.yd. fine grading, 2,000 cu.yd. excav., 4,000 cu.yd. embankment, 20,000 sq.yd. concrete paving, 197,000 lb. reinforcing, etc., from E. G. Fike & Co., 22 Nebraska Bldg., $49,893. Noted Apr. 24.

CONTRACTS AWARDED

N. Y., Burdett—Lehigh Valley R.R. Co., 143 Liberty St., New York City, will build concrete reservoir and engine water supply system, here, by day labor. $100,000. G. T. Hand, ch. engr.

N. Y., Jamestown—For 2 m.g. concrete reservoir, to Mullen, Guinnane & Ludwig, 303 North Main St., $28,829. Noted May 8.

N. J., Newton—Town Com., 115 Spring St., 924 lin.ft. 4 in. c.i. pipe, to J. Fox & Co., 233 Bway., New York City, $66.50 per ton. Noted Apr. 10.

Pa., Phila.—Bureau Water, Dept. Pub. Wks., City Hall, Contr. 670, to H. F. Munro & Sons, 2406 North Mascher St., $2,057; Contr. 671, to Elliott Co., 802 Morris Bldg., $4,680; Contr. 672, to L. J. Sommer & Son, 2436 Brown St., $2,393; Contr. 674, to E. M. Nichols, 27 North 38th St., $27,300; Contr. 675, to Bethlehem Shipbuilding Corp., 25 Bway., New York City, $960; Contr. 679, to A. P. Smith Mfg. Co., East Orange, N. J., $38,850. Noted May 1.

Md., Baltimore — Bd. Awards, storm water drains in Sewer Dists. 48 and 34-A, as outlined in Storm Water Contr. 68, 4,000 ft. 15- to 36-in. storm drain and inlet connections, to Ryan Constr. Co., 18 Light St., $22,897. Noted May 8.

Ky., Madisonville—Illinois Central R.R. Co., 135 East 11th Place, Chicago, pumping station and pipe line, here, to Railroad Water & Coal Handling Co., 608 South Dearborn St., Chicago. Est. cost to exceed $25,000.

O., Cleveland—Cuyahoga Co., 11,700 ft. 6- to 12-in. c.i. mains, to Kassouff & Co., 3182 West 25th St., $79,697. Noted May 22.

O., Cleveland—Steel mains in Ingersoll Rd., Contr. 33-A, 48 in. lock bar steel, to D. Lowensohn, 6795 Wakefield Ave., $294,-115. Noted May 1.

Mich., Kingsford—Constructing 12 mi. mains, as follows: 6 and 8 in. pipe, to Natl. Cast Iron Co., Birmingham, Ala., $0.883 per ft.; 4 in. pipe to McWane Cast Iron Pipe Co., Birmingham, Ala., $0.61 per ft.; hydrants, to Traverse City Iron Wks., Traverse City, 4 in. hydrants with 4 in. valve and box for 6½ ft. trench $73.50, 4 in. hydrants with 6 in. valve and box for 6½ ft. trench $83.75, 8 in. hub valves $34, 6 in. $20.50, and 4 in. $12.

Ill., Chicago — For 4 complete pumping units, 14,186 lb. per hr. resultant steam consumption, 133,000 lb. total weight of main unit, to De Laval Steam Turbine Co., North Clinton St. and Penna. R.R., Trenton, N. J., $334,760.

Ill., Hinsdale—Deep well for waterworks, to M. T. Peterson, Madison, Wis., $5,500. Noted Apr. 10.

Neb., Kearney—Reservoir to W. Knutzen & Son, Kearney, $28,937; wells to Well Wks. Mfg. Co., Kansas City, Mo., $3,990; well pumps and motors to American Well Wks., 112 North Bway., Aurora, Ill., $5,000; oil engines, to De La Vergne Machine Co., East 138th St., New York City $57,365; c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., East Burlington, N. J., $18,-000; pipe line etc., by day labor, $4,725. Noted May 1.

Tex., Ranger — Stand pipe and wash water tank, to Chicago Bridge & Iron Co., Praetorian Bldg., Dallas, $25,000. Filter plant to be awarded soon. Noted May 1.

Tex., Snyder—Water and sewer extensions, to J. B. Winslett, 1001 Main St., Dallas, $37,965. Noted Apr. 10.

Ont., Chippawa—Plans waterworks system incl. pump house, pumps, mains, reservoir, etc. $75,000.

Ont., Timmins—See "Sewers."

Sewers

PROPOSED WORK

Mass., Boston—Dept. Pub. Wks., plans sewers and catch basins in Shawmut Ave. $25,000. J. A. Rourke, comr.

Mass., Brighton (Boston, P. O.)—Plans sewer in Hichborn St. and private land between Everett and Arthur Sts. $45,000. E. F. Murphy, city sewer engr.

N. Y., Old Forge — Rejected bids extending sewerage system. Will readvertise. To exceed $25,000. R. E. Thomson, village pres.

N. Y., Tonawanda—Making plans trunk sewer between Ellicott Creek and Niagara River, to exceed $25,000. T. J. Barrelly, city engr.

Pa., Elizabethtown—Rejected bids sewerage system, etc. Noted Mar. 20.

Ga., Barnesville—See "Waterworks."

Wis., Green Bay—Soon takes bids 24 in. vitr. sewers in Roscoe and Day Sts., Longdale, Columbia, Northern, and Mather Aves. $25,000. A. E. Kringel, City Hall, engr.

S. D., Sioux Falls—Plans sewers. $40,-000. S. B. Howe, city engr.

Mo., Perryville—Making plans storm and sanitary sewers, disposal system, etc. $45,000-$60,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, engrs. Noted Apr. 10.

Tex., Gilmer—Election May 27, $28,000 bonds for sewer extensions. R. M. Denman, mayor.

Tex., Houston—Harris Co. election May 28, $350,000 bonds, storm sewers. J. C. McVea, city engr.

Tex., Houston—Election June 10, $150,-000 bonds sanitary sewers. J. C. McVea, city engr.

Okla., Chandler — Made surveys 19,000 ft. 8 and 10 in. vitr. clay sewers in 11 blocks, 7th, 9th, 11th and Sheffield Sts. $27,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Colo., Denver—Plans 16 mi. 8- to 24-in. sewers in Globeville Sanitary Sewer Dist. $234,300. A. K. Vickery, City Hall, engr.

Calif., Stockton—See "Bridges."

Calif., Williams—Voted $40,000 bonds for sewerage system. Noted Apr. 24.

Ont., Chippawa—Plans 20,000 ft. vitr. clay sewers, concrete disposal plant, etc. $60,000.

Ont., Cochrane—Having plans prepared 20,000 ft. 8 in. vitr. tile sanitary sewers. $40,000. J. Lanning, Cochrane, engr.

Ont., Port Elgin—Soon takes bids 15,000 ft. 8 in. sewers and disposal works. $50,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

BIDS DESIRED

N. Y., Long Island City—May 27, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sewers Rockaway Blvd., 98th, 97th, 96th, Sandol and Pansy Sts., Way, Millwood and Cooper Aves., Natl. (Lonona) Ave., 146th St. (Brewster Ave.), 92nd St. (Bigelow Ave.), 95th St. (Chester Ave.), Liberty Ave. from 92nd (Bigelow Ave.) to 90th St. (Gherardt Ave.) and Liberty Ave. from Woodhaven Ave. to 95th St. (Chester Ave.).

N. Y., North Pelham (mail New York)—Village taking bids 12- to 48-in. storm water sewers. J. F. Fairchild, 4 North 3rd Ave., Mt. Vernon, engr.; adv. E. N.-R. May 22.

N. J., Sayreville—June 4, by Boro Council, completing sewerage system. W. S. Coulter, 114 Liberty St., New York City, consult. engr.; adv. E. N.-R. May 22.

Pa., Phila.—June 4, by Delaware River Bridge Joint Comn., Widener Bldg., sewers for bridge over Delaware River between here and Camden, N. J. G. Pinchot, chn.; adv. E. N.-R. May 22.

O., Toledo—May 26, by Comrs. Lucas Co., local sanitary sewer 93 in Main Sewer Dist. 11, 16,606 lin.ft. 8- to 20-in. pipe, and 3,540 ft. 6-in. sewer in cross-overs, etc., $80,800; No. 95, in Main Sewer Dist. 4, 2,560 lin.ft. 8-in. pipe, and 1,090 ft. 6 in. in cross-overs, $10,161; No. 97, in Main Sewer Dist. 9, 11,510 lin.ft. 8- to 12-in. pipe and 2,270 ft. 6-in. pipe in cross-overs, etc., $50,777; No. 99, in Main Sewer Dist. 11, 8,235 ft. 8- to 12-in. pipe, and 1,510 ft. 6-in. in cross-overs, etc., $30,192; No. 100, in Main Sewer Dist. 11, 7,120 lin.ft. 8- to 18-in. pipe, and 1,635 lin.ft. 6-in. sewer pipe in cross-overs, $34,-365. L. C. Boyatt, co. sanitary engr.

Calif., San Diego—June 2, by A. H. Wright, city clk., sewerage system, Mission Beach St., incl. 27,945 lin.ft. 6 in., 5,470 lin.ft. 10 in., 6,781 lin.ft. 12 in. concrete pipe, 127 manholes, 6 flush tanks, one settling tank, 3 pumping stations, 1,200 lin.ft. c.i. outfall pipe, etc. F. A. Rhodes, city engr. Noted Apr. 10.

Mich., Detroit—May 26, by Dept. Pub. Wks., 2,732 ft. Eaton Ave. Arm of West Livernois Sewer in Eaton Ave., 1,028 ft. 4 ft. cylinder and 1,544 ft. 3 ft. 6 in. cylinder, 160 ft. crock; 2,476 ft. Eaton Ave. Arm of East Wyoming Ave. Sewer, 394 ft. 4 ft. 6 in., 555 ft. 4 ft., 555ft. 3 ft. 9 in. and 832 ft. 3 ft. 6 in. cylinder, 140 ft. 15 in. crock; 1,748 ft. Mack Ave. Arm West Ashland Ave. Sewer, 580 ft. 4 ft. 9 in., 595 ft. 4 ft. and 325 ft. 3 ft. 6 in. cylinder, 62 ft. 20 in. and 155 ft. 18 in. crock; 885 ft. Harper Ave. Arm West Bedford Ave. Sewer, 815 ft. 4 ft. 6 in. cylinder and 70 ft. 24 in. crock. G. Jerome, city engr.

Ill., Astoria — May 29, by City Clerk, 26,050 lin.ft. 10-in. and 24,900 lin.ft. 8-in. vitr. clay sewer, 74 manholes, 9 drop manholes, 2 auto flush tanks, 3 non-auto flush tanks, disposal plant, etc. $41,000. W. A. Fuller Co., 1917 Railway Exch., St. Louis, Mo., engrs.

Wis., Kenosha—May 29, by C. M. Osborn, city mgr. 3 mi. 12- to 48-in. combined storm and sanitary sewers. To exceed $25,000. R. M. Smith, City Hall, engr.

Minn., Waconia — May 29, by village, sanitary sewerage system, 16,032 lin.ft. 8 in. and 1,497 ft. 10 in. sewers, disposal plant, etc. C. L. Pillsbury Co., 1200 2nd Ave., S., Minneapolis, engr. Noted May 8.

Sewers (Continued)

Tex., Dallas—See "Streets and Roads."
Tex., Inman—See "Waterworks."

BIDS RECEIVED

N. J., Oaklyn—For 2½ mi. 8, 10 and 12 in. terra cotta sanitary sewers, from Penna. Eng. & Constr. Co., Real Estate Trust Bldg., Phila., $42,000.

Pa., Phila.—Dept. Pub. Wks., Bureau Surveys, City Hall, branch sewers from J. J. McHugh, 1617 Race St., Aikens St., $2,262, Georges Lane $10,555, Magnolia St. $6,376, Mitchell St. $7,691, Oxford St. $15,577, Trinity St. $360,366; from O'Neill Co., 127 East Mermaid Lane, Broad St. $2,546, Edgemoor Rd., $11,178, Judson St. $1,652, Linmore St. $466,870, Malvern Ave. $37,329; from W. H. Garson, 5033 Brown St., Cobbs Creek Pkwy. $11,602, Flanders Rd. $8,670; from A. Jaffala, 139 South 56th St., Dicks Ave. $19,963; from P. Ventresco, 6325 Chew St., Durham St. $8,841, Edna St. $5,097, Haines St. $16,370; from A. J. Henderson, 5807 Chew St., Dupont St. $244,380, Middleton St. $65,788; from J. Perna, Jr., 316 North 65th St., 57th St. $21,543, Sheridan St. $736. Spring St. $4,688; from McCoal Constr. Co., 5033 Duffold St., Janney St. $5,126, Welkee St. $422,315. Noted May 8.

O., Cleveland—For (1) 2,250 ft. 12- to 24-in. vitr. tile sewer in Highland Rd. (2) 1,045 ft. 24 in. vitr. tile in East Blvd. (3) 2,410 ft. 12- to 24-in. vitr. tile in Abell Ave. (4) 1,450 ft. 12- to 24-in. vitr. tile in East 143rd St. (5) 930 ft. 12- to 24-in. vitr. tile in Thrush Ave. (6) 980 ft. 5 ft. concrete in Ridge Rd., from G. F. Randall, Lorain. (1) $13,896 (5) $4,667; F. Phillips Co., Engineers Bldg., (1) $13,896; C. Jackson, 1318 East 84th St., (2) $13,607; Hanna & Michael, 2457 East 55th St., (3) $14,946; Kastaouff & Co., 3182 West 25tn St., (4) $12,169; J. Kalill & Jackson, Bangor Bldg., (6) $29,351. Noted May 1.

Mich., Detroit—Dept. Pub. Wks., 4,561 ft. Wyoming Ave. Sewer Sect. 7, 4 ft. 6 in. to 6 ft. 9 in. monolithic concrete, from Jeynes & Affeld, 1208 Ford Bldg., $98,072. Noted May 1.

CONTRACTS AWARDED

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, May 7, sewers in 71st St., to S. Coenzo, 678 Glenmore Ave., 86⅓% o fengrs. est. $19,571); Brooklyn Ave., to C. F. Vacharas, 645 40th St., 89% ($4,243); 45th St., to Beconi & Son, 570 18th St., 90% ($3.776); 80th St., to R. Iovino, 77% ($400); West 37th St. and 11th Ave., to Tozzi Contg. Co., 136 63rd St., 89.44% ($900) and 95.25% ($1,465) respectively. Noted May 1.

N. Y., Syracuse—Intercepting Sewer Bd. sewer in Salina St. East to Orange St., to Provo Bros., 103 Hiawatha St., $100,725. Noted July 12.

Pa., Phila.—Dept. Pub. Wks., Bureau Surveys, City Hall, main sewer in Cottman St., to Pacifico Ventresco, 6325 Chew St., $27,501; completing Rock Run Main Sewer in Ogontz Ave., to E. F. Bennis, 641 East Chelten Ave., $38,516; main sewer in Venango St., to C. A. Conan, 133 North Vodges St., $88,218; removing old sewer and constructing new sewer in Courtland St., and main sewer in Oakland St., to Ryan Constr. Co., 735 Real Estate Trust Bldg., $347,110 and $74,518 respectively; main sewers in Mifflin and Sanger Sts., to J. Lombardi, 601 Lincoln St., $76,112 and $22,782 respectively. Noted May 15.

Ala., Florence—City 3,000 ft. 84-in. segmental block sewer, to Kirkpatrick & Hitchcock, Court St., $33,000. Noted Mar. 20.

O., Akron—Summit Co. sanitary sewer in Magadore Rd. Dist., to J. B. Kuhn, Barberton, $149,610. Engrs. est. $155,000.

Ind., Indianapolis—Bd. Sanitary Comrs. of Sanitary Dist., City Hall, **e. e. means engrs. est.**, 3 sections of sewer interceptor, to H. W. Miller, Limestone Ave., $143,653, e. e. $192,000; 1 section to Sheets & Canfield, c/o F. Lingenfelter, engr., Indianapolis, $214,498, e. e. $223,000; 1 section to Columbia Constr. Co., 2108 Columbia Ave., $161,111, e. e. $169,000. Noted Apr. 10.

Ind., Tell City—City Council, sewer in Fulton St., to H. Rees & Son, Quincy, Ill., $76,942. Noted May 1.

Mich., Detroit—Dept. Pub. Wks., vitr. crock Sewer 4122 to S. Healy, 6466 Epworth Blvd., $77,000; Sewer 4919 to Rennie & Dibble, 11565 Oakwood Ave., $6,540; Sewer 1421 to Coffman Crane Service Co., 708 Empire Bldg. $6,911.

Mich., Detroit—Dept. Pub. Wks., vitr. crock sewers in Lateral 4081 to Louers & Somerville, 1245 Alter Rd. $3,490; Lateral 4098 to H. Ponterelli & Co., Wolverine Hotel, $13,581; Lateral 4111 to Cousino Mercier Co., 13183 Wark St. $2,776; Lateral 4116 and 4118 to Central Constr. & Eng. Co., Detroit, $12,930 and $21,426 respectively; Lateral 4117 to C. R. Lennane, 2631 Woodward Ave., $19,870; Laterals 4120 and 4133 to Rennie & Dibble Constr. Co., 11565 Oakwood Blvd., $4,286 and $10,726 respectively; Lateral 4130 to J. Monte, Detroit, $1,658; Lateral 4132 to Hammen & Co., 4612 Woodward Ave., $17,000. Noted May 15.

Tex., Snyder—See "Waterworks."

Calif., Glendale — See "Streets and Roads."

Calif., Los Angeles — See "Streets and Roads."

Ont., Timmins—Sewers and water main extensions, to McNamara Bros., Timmins, $45,511.

Waste Disposal

PROPOSED WORK

Calif., Long Beach—City having specifications written for incinerator. R. D. Vanalstine, city engr.; adv. E. N.-R. May 22.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, 3 story, 55 x 173 ft., waste disposal plant, 28th and Sisson Sts., from Price Constr. Co., Maryland Trust Bldg. $103,900. Noted May 8.

CONTRACTS AWARDED

O., Steubenville—R. P. Price, dir. Pub. Serv., 70 ton 24 hr. refuse and garbage incinerator, to A. Walthers, Moundsville, W. Va., $25,000. Noted Apr. 17.

Bridges

PROPOSED WORK

Massachusetts—Ways and Means Comn., Boston, plans reconstructing, strengthening and repaving Howard Bridge between Boston and Cambridge, removing old draw span and building new span. $600,000. Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, engrs.

N. Y., Buffalo—See "Unclassified."

N. Y., Oswego—Bd. Supervs. Oswego Co. plans bridges. $75,000-$80,000. E. A. Howard, co. supt. highways.

N. J., Perth Amboy—State Hy. Dept., Trenton, plans to lower elevation of 3 piers, 18 ft., on New Amboy Bridge over Raritan River, between Perth Amboy and South Amboy, so river may be dredged. $64,943. W. G. Sloan, Broad St. Bank, Trenton, engr.

Pa., Phoenixville—Comrs. Chester Co., (West Chester), soon takes bids 1,100 ft. concrete bridge, 43 ft., 8 arches and 1 reinforced girder spans, over French Creek Valley, at Gay St., here. H. H. Quimby, Phila., consult. engr.

Pa., Renovo — Boro plans 496 ft. rein.-con. bridge and viaduct, 23 ft. roadway, 296 ft. rein.-con. in northeast approach, 221 ft. rein.-con. in southwest approach, incl. 15 concrete piers. $188,000. Project to be financed by Boro, Clinton Co. Pennsylvania R.R., State Hy. Dept. and Public Service. F. E. Colony, boro engr.

Fla., Clearwater — See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, plans fifteen 20 ft. rein.-con. slab, two 45 ft. and one 25 ft. rein.-con. deck girder spans, etc. Charlton Co.; one 40 ft. and two 30 ft. rein.-con. deck girder, four 10 ft. and three 12 ft. rein.-con. slab spans, etc. Wayne Co.; two 12 ft. rein.-con. slab spans, etc. Scotland Co.; one 50 ft. and two 20 ft. I-beam spans, etc., Bollinger Co. B. H. Piepmeier, state highway engr.

Tex., Belleville—See "Streets and Roads."

Tex., Brownsville — Cameron Co. voted $15,000 to match $30,000 appropriated by State for bridge across Arroyo Colorado, concrete flooring, steel girders. $45,000.

Tex., Kingsville—Gulf Coast Lines Ry., Union Sta., Houston, plans rebuilding bridge across South Fernando Creek, here, recently destroyed by fire. $40,000. C. S. Kirpatrick, c/o owner, engr.

Calif., Garey—Santa Barbara Co., Santa Barbara, had plans prepared reconstructing 5 spans of present bridge over Sisquoc River near here. $27,500. O. H. O. Neill, Santa Barbara, co. surv.

Calif., Stockton—Plans election to vote on $339,800 bonds, bridges, sewers, street paving and purchase rights of way. W. B. Hogan, city engr.

Que., Scotstown—Provincial Government, Parliament Bldg., Quebec, had plans prepared 2 span concrete bridge, here. $30,000. I. E. Vallee, c/o owner, engr.

BIDS DESIRED

New Hampshire — See "Streets and Roads."

Vermont—May 27, by T. W. Dix, ch. engr. State Hy. Dept., Montpelier, bridge known as Gassetts Overpass seven 25 ft. spans and two 75 ft. spans, steel superstructure, concrete foundation, Federal Aid Project 54A, in Chester; bridge in Wethersfield, three 25 ft. rein.-con. spans, trestle type Federal Aid Project 64A; steel truss bridge on Main St., in Waterbury, one 163 ft. and one 72 ft. spans, Federal Aid Project 61A.

Mass., Dalton—May 27, by Bd. Selectmen, deck riveted truss highway bridge, concrete floor, known as Berkshire Mill Bridge, over Housatonic River, Housatonic St. E. W. Wiggin, 113 Church St., New Haven, Conn., consult. engr. Noted Mar. 20.

New Jersey — June 2, by State Hy. Comn., Trenton, 3 concrete bridges with spans 14 ft., 2 8 ft. 6 in., and 10 ft. each, 30 ft. roadway, and removing 2 existing bridges at M. P. O. 2, 1.4 and 2.0 on Route 5, Sect. 11, between Belvidere and Delaware, Warren Co. A. L. Grover, secy.

Pa., Curwensville—May 26, by Boro. Council, rein.-con. girder bridge, two 54½ spans, over Anderson Creek, Walnut St.

Pa., Phila.—June 18, by Delaware River Bridge Joint Comn. at Room 806 Widener Bldg., completion of anchorage bridge over Delaware River between here and Camden, N. J. G. Pinchot, chn.; adv. E. N.-R. May 22.

Pa., West Chester—June 16, by D. M. Golder, controller Chester Co., rein.-con. bridge over French Creek. H. H. Quimby, 3920 Girard Ave., Phila., consult. engr., adv. E. N.-R. May 22.

Virginia—See "Streets and Roads."

S. C., Florence—See "Streets and Roads."

Georgia—See "Streets and Roads."

Ala., Huntsville — See "Streets and Roads."

Louisiana—June 3, by State Hy. Comn., Reymond Bldg., Baton Rouge, 325 ft. creosoted timber trestles bridge over Bayou Pierre, State Aid Project 405, De Soto and Red River Parishes, Mansfield-Coushatta Highway, J. M. Fourmy, ch. engr.

Michigan—May 28, by State Hy. Dept. at office Comrs. Oakland Co., Pontiac, Bridge 632303, one 40 ft. span, and Bridge 632301, one 44 ft. span, both concrete girders, on Trunk Line 10, Federal Aid Project 97, G. C. Dillman, Lansing, ch. engr.

Wis., New Richmond—May 27, by State Hy. Comn. at office City Clerk, City Hall, Willow River Bridge, two 45 ft. 9 in. deck concrete girder spans, 30 ft. roadway, and two 6 ft. sidewalks, here, St. Croix Co. A. R. Hirst, Madison, highway engr.

BIDS RECEIVED

Pa., Phila.—See "Streets and Roads."

Calif., Sacramento — Sacramento Co. bridge over Paintersville Slough, incl. 1,267 cu.yd. of ½ to 5 in. concrete in piers and abutments, 396 cu.yd. 1- to 4-in. concrete in arches, erecting 500,000 lb. structural steel (furnished by county), etc., from Isham & Nystedt, 111 Kensington Way, Stockton, $132,000. Noted Apr. 24.

CONTRACTS AWARDED

N. Y., Buffalo — City, substructure for Stevenson Bridge over improved Cazenovia Creek Channel, to J. Johnson Constr. Co., 765 Abbott Rd., $37,200; superstructure, to Peckhan Constr. Co., Crosby Bldg., $20,900. Noted May 8.

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., reconstructing, renewal and protection of Elk St. and Elk-Abbott viaducts, to Independent Bridge Co., May Bldg., Pittsburgh, Pa., $225,200; also Van Rensselaer viaduct, to Amer. Bridge Co., 1509 Guardian Bldg., Cleveland, O., $48,660. Noted Apr. 3.

S. C., Chester—See "Streets and Roads."

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, one 26 ft. concrete span over Mud Creek, and one 100 ft. steel span, four 30 ft. and two 40 ft. spans over Collins River, Federal Aid Project 202, Warren Co., also bridges at Sta 1057, Sta 1064, Sta 1151, Federal Aid Project 2042, Tipton Co., to Montgomery & Parker Constr. Co., Rockport, Tenn., $47,112 and $48,873 respectively. Noted May 1.

O., Lisbon — Columbiana Co., 200 ft. concrete bridge on Lincoln Highway, Center Twp., to Cox & Hezlep, Lisbon. $25,004.

Ind., Indianapolis—Bd. Pub. Wks., constructing Kentucky Ave. bridge, concrete arch, to Mead-Balch Constr. Co., 441 Postal Station Bldg., $635,000. Noted Apr. 17.

Ia., Des Moines—City, 84 ft. bridge, two 42 ft. spans, over Keosauqua Way on University Ave., 1,550 cu.yd. concrete girders, 239,600 lb. reinforcing, to O'Rourke Eng. & Constr. Co., 1215 Mulberry St., $52,100. Noted May 15.

Kan., Great Bend—See "Streets and Roads."

Kan., Sedan—See "Streets and Roads."

Kan., Wellington—See "Streets and Roads."

Neb., Lincoln—Lancaster Co., 200 ft. concrete girder bridge, four 50 ft. spans, Federal Aid Project 155-A, to Martin-Day Constr. Co., 310 Little Bldg., $30,000.

Bridges (Continued)

Missouri — State Hy. Dept., Jefferson City, to Springfield Constr. Co., Springfield, 20 ft. rein.-con. slab span, etc., over stream, $13,319, 25 ft. rein.-con. deck girder span, etc., over stream, $2,114, 25 ft. rein.-con. deck girder span, etc., over creek, $1,966, 25 ft. rein.-con. deck girder span, over creek, $1,938, all Barton Co., to Public Works Constr. Co., Century Bldg., St. Louis, thirteen 20 ft. rein.-con. slab spans, etc., over drainage ditch, $18,935, 20 ft. rein.-con. slab span, etc., over Fenton Creek Branch, $5,234, 50 ft. steel truss span, etc., over Fenton Creek, $9,485, 30 ft. I-beam span, etc., over ditch, $2,300; all St. Louis Co.; to Haller & Davis Boonville, 60 ft. steel truss span, etc., over Chouteau Creek, $14,816, three 20 ft. rein.-con. slab spans, etc., over stream, $5,889, one 180 ft. and two 80 ft. steel truss spans, etc., over Lamine River, $48,906, all Cooper Co.; to L. A. Woods Constr. Co., Smithville, two 12 ft. rein.-con. slab spans, etc., over Wichet Creek, $5,259, three 20 ft. rein.-con. slab spans, etc., on State Rd. from Kansas City to St. Louis, $6,462, three 20 ft. I-beam spans, etc., over Davis Creek, $6,080, five 30 ft. I-beam spans, etc., over Davis Creek drainage ditch, $9,374, 35 ft. rein.-con. deck girder span over Chicago & Alton R.R. tracks, $10,136 all Lafayette Co.; to Jones & Harlan, West Plains, four 20 ft. rein.-con. slab spans, etc., over creek, $5,198, three 20 ft. rein.-con. slab spans, etc., over creek, $3,752, Texas Co., to Tibbetts & Tibbetts, Olathe, Kan. 30 ft. rein.-con. deck girder span, etc., over Whitestone Creek, Callaway Co., $9,852, to Vincennes Bridge Iron Co., Vincennes, Ind., two 200 ft. and two 120 ft. steel truss spans, etc., over Meramec River, St. Louis Co., $89,403, to R. P. Sharp, Reeds Springs, 40 ft. rein.-con. deck girder span, etc., on State Rd. from Greenfield to Rennsboro, Dade Co., $4,043; to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, 60 ft. steel truss span over Muddy Creek, Linn Co., $12,266, to C. L. Johnson, Warrensburg, 35 ft. rein.-con. deck girder span over creek, Benton Co., $3,955. Noted May 8 and 15.

Tex., Baird—See "Streets and Roads."

Okla., Oklahoma City—Oklahoma Co., 4 span, 240 ft. rein.-con. bridge, etc., at 10th St., to Kansas City Bridge Co., 411 West 19th St., Oklahoma City, $79,132. Engrs. est. $90,000.

Arizona—See "Streets and Roads."

Calif., San Francisco — City and San Francisco Co., timber trestle bridge for Bay Crossing Pipe Line of Hetch Hetchy project, to L. F. Youdall, Commercial & Savings Bank Bldg., Stockton, $167,645. Noted May 15.

Que., St. Amedee de Peribonca—Lac St. Jean Co., two 200 ft. spans, one 131 ft. and one 80 ft. span bridges, to E. Plourde and J. Roy, St. Prime, $69,000.

Dams

PROPOSED WORK

Tex., Grand Saline—See "Waterworks."

BIDS DESIRED

N. Y., Saratoga Springs—See "Industrial Works."

Calif., Merced—May 31, by H. P. Sargent, secy. Merced Irrigation Dist., Exchequer Dam, power house, etc., on Merced River, 4 alternative bids (1) 57,000 cu.yd. open excav., mostly rock, 17,000 cu.yd. tunnel excav., 380,000 cu.yd. concrete, erecting 1,500 tons metal pipe, valves, gates, structural steel, etc., 300,000 bbl. cement, 58,000 ton railway ballast, alternative bids on either 25,000, 50,000 or 100,000 tons sand and gravel or crushed rock for railway structures (2) same as (1) except cement is not required (3) same os (2) except railway ballast, sand, gravel or crushed rock for railway structure are not required, (4) 760,000 tons sand, gravel or crushed rock and cobbles for dam and power house, 58,000 tons railway ballast and alternative bids on 25,000, 50,000 or 100,000 tons sand and gravel or crushed rock for railway structures. Noted May 8. R. V. Meikle, ch. engr.

BIDS RECEIVED

N. Y., Belmont—A. W. Brandt, comr. highways, Albany, May 9, dam and abutments on Belmont-Scio Highway 5476-A. Allegany Co., from Oatka Eng. & Constr. Co., Inc., Warsaw, $50,600. Engrs. est. $59,910.

Railways

BIDS DESIRED

California—May 31, by H. P. Sargent, secy. Merced Irrigation Dist., Merced, 16.79 mi. railroad from Merced Falls to Detwiler, track laying, ballasting, 1,000,000 cu.yd. excav., 200,000 ft. trestles, 6,500 cu.yd. concrete, 3,495 lin.ft. tunnels, and 3,320 cu.yd. concrete, 1,944 cu.yd. rock walls laid in cement mortar. District will furnish rails, ties, material for fastening rails and switches in place, gravel for ballast. timber for trestles and pipe for culverts, all other materials to be furnished by contractor. R. V. Meikle, ch. engr.

Calif., Merced—See "Dams."

BIDS RECEIVED

Missouri—Bd. Pub. Serv., 208 City Hall, St. Louis standard gage railroad at Howards Bend, St. Louis Co., 11,250 cu. yd. excav., 2,950 cu.yd. macadam, 2,400 cross ties, 5,242 ft. ties, etc., from Industrial Track Constr. Co., Granite Bldg., St. Louis, $26,562. Engrs. est. $32,000. Noted Apr. 24.

CONTRACTS AWARDED

Ontario—Temiskaming & Northern Ontario Ry., North Bay, train fill, ballasting and laying tracks from Mile 45 north of Cochrane to Mile 75, to C. D. French & Co., Cochrane. Engrs. est. $400,000. Noted Mar. 13.

Excavation, Drainage, Irrigation

PROPOSED WORK

Minn., Albert Lea — Freeborn Co. had plans prepared and will take bids about June 10, County Ditch 30. $24,000. Midwest Eng. Co., Albert Lea, engrs.

Okla., Marlow—Little Beaver D. D. 1, having surveys made draining and straightening 7 mi. Little Beaver Creek, Stephens Co. $35,000. H. J. Wilkins, 225 West Grand St., Oklahoma City, engr.

California — San Bernardino Co. (San Bernardino), Riverside Co. (Riverside), and Orange Co. (Santa Ana), plan election to vote on $1,000,000 or more bonds for Santa Ana River control improvements.

BIDS DESIRED

New Jersey—June 3, by State Bd. Commerce & Navigation, Trenton, dredging a beach channel in Little Egg Harbor Bay. Ocean Co., between public dock at Beach Haven and point south of state highway bridge over Manahawken Bay. V. Gelineau, dir.; adv. E. N.-R. May 22.

Wis., Jefferson—May 29, by Jefferson Co. Farm Drainage Bd., City Hall, Watertown, Farm Drain No. 3, 154,347 cu.yd. earth and 1,395 cu.yd. rock excav., and 3,000 lin.ft. 20 in. tiling. To exceed $15,000. J. W. Purner, secy.

Ind., Bluffton—May 23, by Huntington Co., at office of C. M. Davenport, co. surv., R. H. Mossburg ditch, Liberty and Salamonie Twps. $23,553. A. H. Fry, supt. constr.

Ark., Lake Village—June 17, at office of Chicot Co. D. D. J. Sloss, ch. n., for contr. No. 1 Main Ditch No. 1, incl. clearing Boeuff River, 2,978,600 cu.yd. excav. clearing 360 acres and 4 mi. right of way, Main Dam 1, in Upper Mason Bayou, 1,000 cu.yd. muck ditch and 5,000 cu.yd. embankment; contr. 2, Main Ditches 2, 3 and 4, 1,270,000 cu.yd. excav.; Contr. 3, Main Dams 2, 3, 4, 5 and 6, 2,500 cu.yd. excav., 15,100 cu.yd. embankment; Contr. 6, clearing 11.5 mi. Mason Bayou.

Calif., Merced—May 28, by H. P. Sargent, secy. Merced Irrigation Dist., structures on Hammett Canal extension and canals on Robison tract, siphon under state highway, and structures on Arena Canal, incl. 140,000 ft. lumber in bridges, checks, drops and side gates, also 4 concrete siphons and one concrete pipe siphon. R. V. Meikle, ch. engr.

Ont., Cumberland—May 31, by W. W. Dunning, Cumberland, clearing, grubbing, 36,670 cu.yd. excav., etc. $25,000. S. E. Farley, 16 Rideau St., Ottawa, engr.

CONTRACTS AWARDED

Tex., Dallas—Republic Natl. Bank, Main St. and Exch. Pl., excavation for basement and sub-basement for 20 story, office and bank building, to T. A. Griffin, Nortn Texas Bldg., $30,000. Noted Apr. 17 under "Buildings."

Streets and Roads

PROPOSED WORK

Vermont—State Hy. Dept., Montpelier, rejected bids May 8, 2.7 mi. Burlington-Montpelier Rd., in South Burlington, Federal Aid Project 60A, alternate bids on bituminous macadam and rein.-con. Will readvertise. T. W. Dix, Montpelier, engr. Noted May 1.

Massachusetts—State Hy. Dept., Boston, plans constructing Quincy Pilgrim Highway. $450,000. W. F. Williams, state hy. comr.

Massachusetts—See "Bridges."

Mass., Boston—Plans constructing Estelle St. from Howard to Morton Sts., bituminous macadam. To exceed $25,000.

Mass., Quincy—Plans improving with bituminous macadam, various streets in Quincy, $50,000, also East Elm St., Wallaston, $10,000, P. F. O'Brien, city engr.

New York—A. W. Brandt, comr. highways, Albany, received no bids May 9, constructing and reconstructing 0.93 mi. Catskill-Athens Rd., Repair Contr. 3081, Greene Co. $35,229. Noted Apr. 24.

New York—A. W. Brandt, comr. highways, Albany, received one bid May 9 reconstructing 1.69 mi. Riverside-Chestertown, Repair Contr. 3082, Warren Co., (was withdrawn later by bidder), $86,249. Noted Apr. 24.

N. Y., Buffalo—G. B. Ricaby Co., Inc., 200 Pearl St., had plans prepared road work at Sturgeon Bay colony. To exceed $50,000. Harris & Hall, 110 Franklin St., engrs.

N. Y., Mohawk—Election May 24, $26,000 bonds, paving Orchard, Michigan, Devendorf, Warren and South Washington Sts.

N. Y., Oneida—Election June 2, $45,000 bonds, paving Elm and Warner Sts.

N. Y., Rome—Plans repairing Court, Embargo, Dominick and East Dominick Sts. $25,000-$30,000. F. L. Martin, mayor.

N. Y., Saranac Lake—Village Bd. plans opening and improving 4 streets, bitulithic macadam. $30,000-$35,000. D. S. Foster, village pres.

N. J., Trenton—Hamilton Twp. Com. plans curbing and laying sidewalks on several streets. $37,400. W. C. Hart, 409 Johnston Ave., twp. clk. Engineer not selected.

Pa., Phila.—See "Contracts Awarded."

W. Va., Ahlerson—Election June 3, $40,000 bonds paving streets. C. E. Statbon, recorder.

W. Va., Fairmont—Marion Co. postponed improving various projects, bids which were to be opened of May 14th, 20th and 22nd. B. H. Palmer, co. engr. Noted Apr. 1.

W. Va., Kenova—Plans election $200,000 bonds for paving streets.

Fla., Bartow—Polk Co. election May 31, $30,000 bonds improving 2¼ mi. Rds. 1 and 12; $30,000, 2¼ mi. Rds. 2 and 11; $138,000, 9.4 mi. Rd. 10; $176,000, 11.75 mi. Rd. 9; $30,000, 2.3 mi. Rd. 8; $28,000, 2 mi. Rds. 6 and 7; $40,000, 3½ mi. Rd. 4; $30,000, 2 mi. Rd. 5; $25,000, 2 mi. Rd. 3. W. D. Boyde, Bartow, engr.

Fla., Clearwater—Pinellas Co. election June 10, $93,350 bonds, vitr. brick or asphalt block, asphalt filler on 5 in. lime rock paving granite or concrete curb, and bridges on 2 mi. No. 1, Point Pinellas Rd.; $102,059 bonds, 3.05 mi. No. 2, Meximo Rd.; $117,899 bonds, 2.85 mi. No. 3, Tangerine Rd.; $111,348 bonds, 3.6 mi. No. 4, Forth St. south; $36,189 bonds, 1.25 mi. No. 6, Disbon Ave.; $169,104 bonds, 5 mi. No. 5, Lakewood Ave., all foregoing 16 ft. wide. Noted Mar. 20.

Fla., Gainesville — Alachua Co. election June 3, $70,000 bonds, constructing highways, in Special Rd. and Bridge Dist. 3; $120,000, Special Rd. and Bridge Dist. through Newberry; $110,000 New road and bridge district, brick, asphalt or asphaltic concrete on lime rock base, 16 and 16 ft.

Ala., Birmingham — Takes bids about July 20, paving with asphalt on concrete 6 blocks Ave. D and 20th Sts., Ensley, 30 ft., $67,250.

Ala., Tuscaloosa—Tuscaloosa Co. voted $600,000 bonds for roads. Noted Mar. 27

Miss, Starkville—Oktibbeha Co. election May 31, $35,000 highway improvements.

La., Homer — Claiborne Parish voted $800,000 bonds for road work. Noted Apr. 24.

Tennessee — State Dept. Hys. & Pub Wks., Nashville, soon takes bids grading and surfacing 8 mi. Knoxville-Blount Co. line Rd., 18 ft., Knox Co.; grading, etc., 7 mi. McNairy Co. line-Coffee Landing Rd., Hardin Co., and approximately 10 mi Columbia-Mt. Pleasant Rd., 18 ft., Maury Co. J. G. Creveling, highway comr. Noted Apr. 24.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, rejected bids May 9, surfacing 9.8 mi. Newport-North Carolina State line Rd., 16 ft., Federal Aid Project 23, Cooke Co.; bids not opened May 9 improving 9.52 mi. Davidson Co. line-Dickson Co. line Rd., 18 ft., Federal Aid Project 205, Cheatham Co., and bridge over Turners Creek and Harpeth Rivers, on same road, projects held in abeyance. J. G. Creveling, highway comr. Noted May 15.

Tennessee—State Hys. & Pub. Wks., Nashville, making surveys grading and surfacing probably gravel, 6 mi. Troy-Hornbeak Rd., Obion Co. J. G. Creveling, highway comr.

Tenn., Ripley — Lauderdale Co. voted $400,000 bonds improving county and state roads. Noted Apr. 24.

Streets and Roads (Continued)

Tenn., Savannah—Making surveys paving, 15,000 or 20,000 sq.yd. various streets, probably concrete. $30,000. Evans & Meade, Florence, Ala., engrs. Noted Apr. 24.

Ohio—Dept. Highways & Pub. Wks., Columbus, rejected bids paving 0.245 mi. Sect. F-1 Lima-Delphos Rd., Allen Co., rein.-con. Noted May 15.

O., Canton—Stark Co. plans improving 3.1 mi. West Massillon Rd., 18 or 20 ft. $75,000. Will mature in 1925. A. M. Wise, Court House, engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 3,330 ft. Champion Ave., 30 ft., brick $75,175, asphalt $61,964. R. H. Simpson, city engr.

O., Dennison—Soon takes bids paving North 3rd St., asphalt $25,140, brick $27,900.

O., Lisbon—Columbiana Co. takes bids about July 1, improving 1.862 mi. Wellsville-Salineville Rd., 18 ft., in Washington Twp. $65,766. L. C. Kirk, Lisbon, engr.

O., Steubenville—City and Jefferson Co. plan taking up and relaying Belgian block on reverse side, on concrete foundation, cement filler, on Market St. $60,000. V. N. Penn, Steubenville, engr.

O., Xenia—Greene Co. plans road over top of Huffman Dam, 11,000 sq.yd. concrete, 6,400 lin.ft. each concrete curb and gutter. $30,000. C. H. Eiffert, Miami Conservancy Dist., Dayton, maintenance engr.

O., Youngstown — Mahoning Co. soon takes bids improving Alliance-Salem Rd. Intercounty Highway 84, Sect. A, $29,155, Canfield-Poland Rd., Intercounty Highway 486, Sect. 2, $53,705.

O., Youngstown — Mahoning Co. plans improving Youngstown-Lisbon Rd., Intercounty Highway 82, Sect. 6. $44,225.

O., Youngstown — Mahoning Co. plans improving Salem-Warren Rd. Intercounty Highway 516, Sect. A, $49,378, and Midlothian Blvd., $51,191.

Ind., Bedford—Lawrence Co. plans grading and graveling 4.1 mi. Spice Valley Church Rd., 24 ft. $27,538; 3.8 mi. Lincoln Ave. Rd., 24 ft., $25,364; 4.3 mi. Washington Ave. Rd., 24 ft., $29,826; 4 mi. Bedford and Peerles Rd. 24 ft., $27,369 H. McIntire, Bedford, engr.

Ind., Brownstown — Jackson Co. plans paving Hughes Rd., 23,106 sq.yd. bituminous macadam. $38,702. E. B. Douglass, Brownstown, engr.

Ind., Evansville—Bd. Pub. Wks., plans resurfacing Fulton Ave. from Franklin to Water Sts., vitr. brick or sheet asphalt. $30,000. J. D. Saunders, city engr.

Ind., Ft. Wayne—Allen Co. plans grading and graveling 17,210 ft. Cassel Rd., 30 ft. $28,861. O. M. Darling, Ft. Wayne, engr.

Ind., Goshen — Elkhart Co. plans concrete paving 5,185 ft. and grading and graveling 4,261 ft. Twp. Rd. C-1, 16 ft. $35,150. C. L. Kinney, Goshen, engr.

Ind., South Bend—St. Joseph Co. having plans prepared grading and graveling 3.9 mi Godshall Rd., 18 ft. $43,401. P. R. Gillin, South Bend, engr.

Ind., Vincennes—Knox Co. plans paving 12,320 sq.yd. C. L. V. Tucker Rd., concrete on concrete. $26,500. W. D. Hanlon, Vincennes, engr.

Mich., Detroit—Had plans prepared grading and paving 23,700 sq.yd. Chalmers Ave., Sect. 2, 3½ in. sheet asphalt on 8 in. concrete. $142,000. G. Jerome, city engr.

Mich., Detroit—Had plans prepared paving with 3½ in. sheet asphalt on 8 in. concrete, 4,300 sq.yd. Chopin Pl. $25,760, 220 sq.yd. Gaylord St. $1,300, 6,100 sq.yd. Daniels Ave. $36,610, 2,110 sq.yd. Kentucky Ave. $12,650, 4,820 sq.yd. Luther Ave. $28,870, 3,400 sq.yd. Connors Ave. $20,075, 1,790 sq.yd. Holmur Ave. $10,690, 18,900 sq.yd. Mack Ave. $113,360, and 18,100 sq.yd. Harper Ave. $108,420. G. Jerome, city engr.

Mich., Gretna — Police Jury Jefferson Parish, election June 17, $500,000 bonds for road improvements in 7th, 8th and 9th wards, incl. 11 mi. concrete highway from St. Charles Parish line to New Orleans, $40,000 per mi. (State Hy. Dept. and Jefferson Parish to share cost jointly), also another 4 mi. concrete highway from Shrewsbury over route of present gravel highway to Protection Levee, via Metairie Ridge, (latter to be borne by Jefferson Parish).

Mich. Lansing—Plans to pave Alley Block 243, Moores River Dr., Michigan, Isaac St. Joseph, Hillsdale, Cedar, Elm, Capitol, Lenawee, Woodlawn, Prospect, Lathrop, Avon, 8th, Franklin, Dakin and Middle Sts. O. E. Eckert, city engr.

Wis., Fond du Lac—Soon takes bids improving Linden Ave., 8,214 sq.yd. asphaltic concrete on present macadam, and 5,374 lin.ft. concrete curbing and gutter. $25,000 G. H. Stanchfield, City Hall, engr.

Wis., Two Rivers—Soon takes bids one and two course concrete, and one course vibrolithic concrete paving 19th, 11th, 14th Sts. To exceed $25,000. D. H. Ames, City Hall, engr.

Wis., West Bend—Plans concrete paving, etc., 5th and 6th Aves., Walnut, Poplar and Chestnut Sts. To exceed $25,000. C. P. Heipp, city clk. Engineer not selected.

Minn., Willmar—Kandiyohi Co. having plans prepared 11 mi. grading west of New London, 100,000 cu.yd. excav., $25,000; 13 mi. gravel surfacing between Raymond and Sunnyside, 13,000 cu.yd. gravel. M. L. Wadell, Willmar, engr.

Kan., Olathe—Johnson Co. plans grading and concrete surfacing 4.02 mi., Federal Aid Project 246. E. C. L. Wagner, Kemper Bldg., Kansas City, Mo., engr.

Kan., Winfield—Cowley Co. plans grading and paving with concrete or brick, 2.676 mi. Federal Aid Project 231-A, 28 ft. W. S. Ruggles, Jr., Winfield, engr.

S. D., Sioux Falls—Plans concrete paving, grading, laying sidewalks and curbing, $152,000. S. B. Howe, city engr.

Mo., St. Louis—Soon takes bids grading and paving 7,000 ft. various streets, 15 ft., concrete or vitr. brick on concrete. $59,900 to $93,500. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis — Making preliminary plans widening about 4 blocks Grand Ave. from 80 to 100 ft., about 5 blocks Goodfellow St. from 60 to 80 ft. $103,750. H. Bartholomew, Municipal Courts Bldg., engr.

Tex., Abilene—Election June 2, $50,000 bonds permanent paving various streets. $50,000. Address C. E. Combs, mayor.

Tex., Austin—Travis Co. making plans grading and surfacing with crushed stone base and 1½ in. bituminous topping 3.56 mi. Austin-Houston Highway, 18 ft. $113,000. O. Leonard, Box 256, engr.

Tex., Baird—Callahan Co. making plans paving 8.84 mi. road from here to Sect. 1, 18 ft. bituminous macadam. $157,000. Y. H. Webb, co. engr.

Tex., Belleville—Austin Co. soon takes bids grading and bridging 9.16 mi. State Highway 36, 26 ft. $34,500. H. Schroeter, Wallis, co. engr. Noted Mar. 13.

Tex., Dallas—City Com. takes bids in June paving Fitzhugh St. from McKinney St. to Highland Park with underpass at Missouri Kansas & Texas R.R. tracks. $1,000,000. E. A. Kingsley, city engr.

Tex., El Paso — El Paso Co. making plans grading and bituminous concrete surfacing 25.5 mi. State Highway 1 from Ysleta Fabens and from here to Montoya, 18 ft. $800,000. F. Wilson, co. engr.

Tex., Jasper—Jasper Co. making plans grading and gravel surfacing 5.82 mi. State Highway 45, 16 ft. $70,000. C. P. Hunter, co. engr.

Tex., Pleasanton—Atascosa Co. election soon $300,000 bonds, hard surfacing 13 mi. road from here to Jourdanton and Campbellton.

Tex., Rockport — Aransas City. election May 31, $250,000 bonds, roads. H. A. Harper, co. judge.

Tex., Tyler—Smith Co. making plans grading and surfacing 16.3 mi. State Highway 64, 18 ft., macadam. $157,000. D. K. Caldwell, co. engr.

Tex., Waxahachie—Ellis Co. voted $300,000 bonds constructing highway in Rd. Dist. 1. E. A. Spalding, co. engr.

Oklahoma—State election July 17, $400,000 bonds grading and concrete paving 30 mi. highways, 18 ft., in Hughes Co. J. M. Page, Oklahoma City, highway engr.

Oklahoma—State, election Aug. 5, $750,000 bonds grading and concrete paving 50 mi. highways in Logan Co. J. M. Page, Oklahoma City, highway engr.

Okla., Broken Arrow — Plans grading, curbing and paving 5 blocks 7th St. in Dist. 10, 5,600 sq.yd. concrete, etc. $27,500. Wood & Witten, Lynch Bldg., Tulsa, engrs.

Okla, Chandler — Plans improving 10 blocks 7th, 8th, 9th, 10th and 11th Sts., 13,000 sq.yd. waterbound macadam, 6,700 lin. ft. each curb and gutter. $38,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

California—State Highway Comn., Sacramento, plans widening highway between Richmond and Crockett, Contra Costa Co. To exceed $25,000. R. M. Morton, state highway engr.

Calif., Los Angeles—Los Angeles Co. had plans prepared improving Chevy Chase Dr. between Glendale city limits and Sicomore Canyon Tract, 2,871 cu.yd. excav., shaping 5,663 sq.yd. each concrete and shaping, 2,551 lin.ft. shoulders, etc.

Calif., San Diego—Common Council having plans prepared improving Coast Blvd. south, and Jenner St., 103,728 sq.ft. 5 in. concrete; Mission Blvd., Pacific Ave. and Cass St., 444,971 sq.ft. 5 in. concrete, 19,098 lin.ft. 8 in. concrete curb; Normal, Center and 11 other streets, 505,509 sq.ft. 2½ in bituminous with 1½ in. asphaltic concrete surface, 340,374 sq.ft. 4 in. concrete with 1½ in. asphaltic concrete surface, 6,080 sq.ft. 3 in. asphaltic concrete, 7,869 lin.ft. 6 in. and 1,680 lin.ft. 8 in. concrete curb, 1,788 sq.ft. concrete sidewalk. F. A. Rhodes, city engr.

Calif., San Diego — Bd. Supervs, San Diego Co. rejected bids grading Escondido-Del Mar highway.

Calif., San Diego—Had plans prepared improving 9th and 10th Sts., 95,869 sq.yd. 1½ in. asphaltic concrete on 2½ in. bituminous, 1,590 sq.ft. concrete sidewalk, etc. F. A. Rhodes, city engr.

Calif., San Mateo — Making plans improving portion 3rd St., 750 cu.yd. excav., 12,500 sq.ft. 1½ in. asphalt on 4½ in. concrete, 1,000 lin.ft. concrete curb and gutter. C. F. Price, city engr.

Calif., Stockton—See Bridges.

Calif., Ukiah—Mendocino Co. had plans prepared improving Fairbanks Grade, 29,134 cu.yd. excav., 22,590 cu.yd. overhaul over 300 ft., etc. E. H. Smith, co. surv.

Que., Montreal—Plans paving and repaving with asphalt 2,000 ft. York and Cazelais Sts., 25, 34 and 35 ft. wide, $17,835, also 2,422 ft. concrete sidewalks on Mariette Letellier, and Callieres Sts., $12,275. H. Terreault, City Hall, engr.

Ont., Oshawa—Plans 35,000 sq.yd. concrete paving various streets. $110,000. W. C. Smith, city engr.

BIDS DESIRED

New Hampshire—May 27, by State Hy. Comn., Concord, paving ¾ mi. highway, bituminous macadam in Windham; 1 mi. highway, crushed gravel and macadam in Littleton; ¾ mi. highway, gravel, in Plymouth; ¾ mi. highway, rein.-con., in Lisbon; 42 span concrete bridge and approaches in Thornton. F. E. Everett, highway engr.

Vermont—May 27, by T. W. Dix, ch. engr., State Hy. Dept., Montpelier, 3.03 mi. road in Guilford, 4,670 cu.yd. broken stone base, 2,735 cu.yd. bituminous surface course, 77,370 gal. oil, asphalt, etc., Federal Aid Project 57A.

Massachusetts—May 27, by Dept. Pub. Wks. Div. of Highways, State House, Boston, 8,727 ft. section of highway, 20 ft., bituminous macadam, in town of Salisbury. To exceed $25,000. W. F. Williams, comr.

Mass., Dorchester (Boston, P. O.)—May 26, by Dept. Pub. Wks., City Hall, Boston, asphalt or bitulithic paving on Blue Hill Ave., from Canterbury St. to River St. here. $65,000. J. A. Rourke, Boston, comr.

Mass., East Boston (Boston, P. O.)—May 26, by Dept. Pub. Wks., City Hall, Boston, granite block paving in Border St., here. $30,000. J. A. Rourke, comr.

Massachusetts—June 3, by Dept. Pub. Wks. of Highways, State House, Boston, paving about 16,295 ft. section of highway, 20 ft., bituminous macadam, in Wareham. To exceed $50,000. W. F. Williams, comr.

Mass., Boston—May 25, by Dept. Pub. Wks., City Hall, asphalt or bitulithic paving, Fenway St. from Forsyth St. to Museum Rd. $25,000. J. A. Rourke, comr. Pub. Wks.

New York—June 3, by A. W. Brandt, comr. highways, Albany, constructing and reconstructing highways in Albany, Broome, Franklin, Greene, Herkimer, Onondaga, Ontario, Rockland, Saratoga, Schuyler, Sullivan, Warren and Yates Counties; adv. E. N.-R. May 22.

N. Y., New York—May 27, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., paving where not already paved and repaving with granite blocks Prospect Ave., from East 149th to East 163rd Sts. and from 163rd St. to Boston Rd.

N. Y., New York—May 28, by E. Riegelman, Boro pres., Boro Hall, Brooklyn, repaving Concord St., Grade 1 granite on concrete, 86th St., Throop and De Kalb Aves., asphalt on concrete; cement sidewalks on Havemeyer and Withers Sts.; grading, curbing and flagging 15th Ave.

N. Y., St. George—May 29, by J. A. Lynch pres. Richmond Boro., Borough Hall, repaving with granite blocks Richmond Ave.

N. J., Freehold—June 4, by Bd. Chosen Freeholders Monmouth Co., rein.-con. paving 2.62 mi. Atlantic Highlands-Hendrickson Corner Rd. 58, Sect. 2. G. K. Allen, Jr., 60 Broad St., Red Bank, co. engr.

N. J., Mt. Holly—June 2, by Bd. Chosen Freeholders Burlington Co., improving Kings Highway, Moorestown and Chester Twps., Burlington Co. H. B. Smith, co. engr.; adv. E. N.-R. May 22.

N. J., Westmont — May 27, by Haddon Twp. Comn., Fire House, 12,000 sq.yd.

Streets and Roads (Continued)

concrete pavement. $50,000. Remington & Vosbury, 509 Cooper St., Camden, engrs.

Pa., Meadville — May 27, at office D. Andrews, city clk. paving, curbing and guttering R. L. Phillips, city engr.; adv. E. N.-R. May 22.

Md., Baltimore — May 28, by Bd. Awards, concrete curb and combination concrete curb and gutter during 1924. B. L. Crozier, City Hall, highways engr.

Virginia—June 5, by State Hy. Comn., Richmond, constructing roads and bridges in following Projects: F-118-B, C and D, Route 33, S-248-A, Route 18. C. S. Mullen, ch. engr.; adv. E. N.-R. May 22.

West Virginia—June 3, by State Rd. Comn., Charleston, constructing following roads: Projects 3134, 137-B, 131, 3313, 3200, 3250, 3246, 2062, 3166, 3140, 3314, 3082-A-1, 3136-A, 3276, 3157, 3278-B, 1129, 3221, 62-R, 122-A, 3018, 3313, 3030, and bridges Projects 3033. E. B. Carskadon, secy.; adv. E. N.-R., May 22.

W. Va., Elkins — June 5, by H. C. Kesling, clk. Randolph Co., concrete surfacing, etc., Beverly-Fairmont Pike, 14 ft. roadway on Odd Fellows Home Rd., widening Harrison Ave., and constructing 14 ft. concrete highway on Sennaca Rd.

S. C., Florence—May 27, at office Florence Co. Comrs., Court House, constructing 3.5 mi. State Route 4, Federal Aid Project 217-B, 25,248 cu.yd. common excav., 8,776 cu.yd. sand clay surfacing, also rein.-con. bridge incl. four 22 ft. spans. J. M. Martin, Court House, engr.

S. C., Sumter — June 5, by Chamber Commerce Sumter Co. hard surfacing State Route 3, Federal Aid Project 228, 19,643 cu.yd. common excav., 40,013 sq.yd. sheet asphalt, 44,096 sq.yd. plain concrete base and header course, etc. $142,468. J. M. Martin, Court House, Florence, div. engr.

Georgia—June 6, by State Hy. Dept., East Point, constructing 1.544 mi. sand clay and gravel road and 2 timber bridges, Swainsboro-Waynesboro Rd., Federal Aid Project 387-A, Burke and Emanuel Counties. W. R. Neal, highway engr.; adv. E. N.-R. May 22.

Alabama—June 16, by State Hy. Dept., Montgomery, constructing 9.187 mi. part of Eutaw-Tuscaloosa Rd., Federal Aid Project 17, Greene Co., 26.03 acres clearing and grubbing, 89,086 cu.yd. borrow, 20,951 sta.yd. overhaul, 22,000 cu.yd. gravel, 14,454 lin.ft. ⅜ in. galvanized cable guard rail, incl. 62,944 f.b.m. treated timber, 2,826 lin.ft. treated timber piles and 6 test piles for bridges, $200,000; 6.035 mi. Thomasville-Linden-Marengo Co. line Rd., Project 21-S, Clarke Co., 28.15 acres clearing, 57,402 cu.yd. earth and 12,000 cu.yd. excav., 3,257 sta.yd. overhaul, 7,518 lb. reinforcing, 11,946 lin.ft. ⅜ in. galvanized cable guard rail, 14,600 cu.yd. gravel, 1 mi. haul, and 80,200 half mile units additional haul on gravel, etc., $100,000. W. S. Keller, highway engr.

Ala., Birmingham — June 10, by Bd. Revenue Jefferson Co. asphalt macadam paving 6 mi. Birmingham-Pratt City Rd., 10 ft., $82,100; asphalt paving 2 mi. Pratt-Ensley Rd., 10 ft., $32,000.

Ala., Huntsville—June 2, by Bd. Comrs. Madison Co., grading and surfacing 2.25 mi. Huntsville-Merrimack Rd., incl. bridges, 22,145 sq.yd. concrete, sheet asphalt, bituminous concrete, warrenite or tarvia on concrete or one course cement concrete material, 2,900 cu.yd. excav., 20,910 lb. reinforcing, 246 cu.yd. concrete, 960 ft. 12-in. pipe Co. Comrs., engrs.

Louisiana—June 5, by Bd. Comrs., 200 New Court Bldg., New Orleans, constructing, etc., 9.11 mi. State Project 338 A, Natchitoches-Shreveport Highway, Natchitoches Parish. J. M. Fourmy, Baton Rouge, ch. engr.

O., Clarington—June 2, paving 5,000 lin. ft. Main, Ferry, 3rd and Marietta Highways, brick and concrete. $80,000. H. C. Althar, Bellaire, engr.

O., Lisbon—July 1, by Columbiana Co., improving 3.01 mi. Summitville-Millport Rd., 18 ft., in Franklin Twp., cinder and stone, $30,000; 1.6 mi. Lisbon-Leetonia Rd., 18 ft., concrete, $26,500; 1.97 mi. Dungannon-Hanover Rd., 18 ft., in Hanover Twp., sandstone, $27,000. L. C. Kirk, Lisbon, engr.

O., Wooster—May 23, by Wayne Co., widening and paving about 2 mi. Orrville-Northern Highway I. C. H. 417, 16 ft., in Green and Baughman Twps., brick on concrete. $28,000.

Ind., Columbus—May 29, by City Council, paving 11,411 sq.yd. Jackson St., concrete on concrete. $29,668. G. Dickey, city engr.

Ind., Crown Point—May 25, by Comrs. Lake Co., grading and gravel surfacing 5.5 mi. C. E. Nelson Rd., 24 ft. $63,173. E. K. Wallace, Crown Point, engr. Noted May 15.

Ind., Evansville—May 23, by Bd. Pub. Wks., paving, guttering and curbing portions of Illinois, Delaware, Rowley, Sunset and Belle Meade Aves., alternate bids on asphalt, brick, concrete with asphaltic concrete. J. D. Saunders, City Hall, engr.

Ind., Ft. Wayne—June 3, by Comrs. Allen Co., paving 43,926 sq.yd. Scharpenberg Rd., bituminous macadam. $82,785. O. M. Darling, Ft. Wayne, engr.

Ind., Noblesville—May 24, by Comrs. Hamilton Co., 24,288 sq.yd. concrete paving on Crum Rd. $58,414. J. S. Shannon, Noblesville, engrs. Noted May 15.

Ind., Richmond — May 29, by Comrs. Wayne Co., paving 50,928 sq.yd. F. A. Brown Rd., bituminous macadam. $96,765. H. H. Horton, Richmond, engr.

Ind., Warsaw — June 2, by Comrs. Kosciusko Co., paving 59,724 sq.yd. Swartz Rd., concrete on concrete. $100,958. S. S. Boggs, Warsaw, engr.

Ind., Winchester — June 4, by Comrs. Randolph Co., paving with crushed stone 10,536 ft. Arvin Rd., 24 ft. $27,654. A. B. Purdy, Winchester, engr.

Michigan—May 27, by State Hy. Dept. at office Comrs. Ingham Co., Mason, grading and surfacing State Trunk Line Rd. 14-36, A and B, 25,492 cu.yd. excav., 56,144 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, ch. engr.

Michigan—May 28, by State Hy. Dept. at office Pentwater Twp. Clerk, Pentwater, shaping and surfacing 3.373 mi. State Trunk Line Rd. 11-25, Sect. B, Oceana Co. (Hart), 36,969 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—May 28, by State Hy. Dept. at office Comrs. Ingham Co., Mason, grading and surfacing 0.876 mi. Federal Aid Project 88, Sect. C, 4,271 cu.yd. excav., 10,273 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—May 29, by State Hy. Dept. at office Comrs. Eaton Co., Charlotte, grading and surfacing 3.841 mi. Federal Aid Project 100, Sect. B, 29,091 cu.yd. excav., 45,066 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—May 29, by State Hy. Dept. at office Comrs. Missaukee Co., Lake City, grading and gravel surfacing 1.256 mi. State Trunk Line Rd. 66-19, 6,535 cu.yd. earth excav., 11,950 sq.yd. one course gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—May 29, by State Hy. Dept. at office Comrs. Eaton Co., Charlotte, grading and surfacing 4.333 mi. Federal Aid Project 100, Sect. A3, 27,736 cu.yd. excav., 50,844 sq.yd. concrete, bituminous concrete or sheet asphalt. G. C. Dillman, Lansing, ch. engr.

Michigan—May 29, by State Hy. Dept. at office Comrs. Dickinson Co., Iron Mountain, shaping and surfacing 1.068 mi. State Trunk Line Rd. 12-38 A, 6,410 sq.yd. concrete, and 5,190 sq.yd. special rein.-con. pavement. G. C. Dillman, Lansing, ch. engr.

Michigan—May 29, by State Hy. Dept. at office Comrs. Ingham Co., Charlotte, grading and surfacing 1.004 mi. Federal Aid Project 100, A and A2, Ingham Co., 11,486 cu.yd. excav., 12,102 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—May 29, by State Hy. Dept. at office Comrs. Dickinson Co., Iron Mountain, grading and surfacing State Trunk Line Rd. 12-38, B, 9,054 cu.yd. excav., 16,547 sq.yd. concrete. G. C. Dillman, ch. engr.

Michigan—June 2, by State Hy. Dept. at office Comrs. Kalkaska Co., Kalkaska, grading and surfacing 5.32 mi. State Trunk Line Rd. 66-17, Sect. A, 73,349 cu.yd. excav., 49,956 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—June 2, by State Hy. Dept., at office Comrs. Mason Co., Ludington, grading and paving 0.999 mi. State Trunk Line Rd. 11-61, Sect. C, Manistee Co., 7,701 cu.yd. excav., 10,553 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—June 2, by State Hy. Dept. at office Comrs. Mason Co., Ludington, grading and surfacing 7.493 mi. State Trunk Line Rd. 11-61 A, 79,128 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—June 2, by State Hy. Dept. at office Comrs. Ontonagon Co., Ontonagon, grading and surfacing 8.406 mi. State Trunk Line Rd. 28-10, Sect. A, 62,688 cu. yd. excav., 78,520 sq.yd. gravel. G. C. Dillman, Lansing, chn. engr.

Michigan—June 2, by State Hy. Dept. at office Mason Co., Ludington, grading and surfacing 8.268 mi. State Trunk Line Rd. 11-61, B, 14,727 cu.yd. excav., 87,773 sq. yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—June 2, by State Hy. Dept. at office Comrs. Kalkaska Co., Kalkaska, grading and surfacing 1.56 mi. State Trunk Line Rd. 66-17, Sect. B, 9,560 cu.yd. excav., 15,441 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—June 3, by State Hy. Dept., at office Comrs. Lenawee and Washtenaw Counties, Adrian, grading and surfacing 4.382 mi. Federal Aid Project 95 A, 26,604 cu.yd. excav., 46,276 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—June 3, by State Hy. Dept. at office Comrs. Ionia Co., Ionia, shaping and surfacing 3.345 mi. State Trunk Line Rd. 43-3, 31,675 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—June 3, by State Hy. Dept. at office Comrs. Montcalm Co., Stanton, shaping and surfacing 5.523 mi. State Trunk Line Rd. 43-4, 51,923 sq.yd. gravel. G. C. Dillman, Lansing, ch. engr.

Michigan—June 3, by State Hy. Dept. at office Comrs. Lenawee Co., Adrian, grading and surfacing 1.352 mi. Federal Aid Project 95 A, 6,431 cu.yd. excav., 12,448 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—June 4, by State Hy. Dept. at office Comrs. Huron Co., Bad Axe, grading and surfacing 0.496 mi. State Trunk Line Rd. 53-16, 3,989 cu.yd. excav., 10,121 sq.yd. concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—June 16, by State Hy. Dept., at office Comrs. Eaton Co., Charlotte, grading and surfacing 1.062 mi. State Trunk Line Rd. 29-2 Sect. A, 4,004 cu.yd. excav., 12,460 sq.yd. asphalt, concrete or bituminous concrete G. C. Dillman, Lansing, ch. engr.

Mich., Saginaw—May 20, by City Clerk at office Commissioner Pub. Wks., paving 2.943 mi. Genesee Ave. from Holland to Webber Aves., and from Webber to Hess Aves. and State St. from Bond to Mackinaw Sts. H. H. Eymer, city engr.

Ill., Vandalia—May 29, at office of Secretary of Bd. Local Impvts., City Hall, improvements to 5th St. Paving Dist., brick on concrete, rock asphalt on concrete, Warrenite-bitulithic on concrete, or rein.-con.; adv. E. N.-R. May 22.

Wis., Port Washington—May 28, by A. Lynch, city clk., concrete paving and curbing 11,000 sq.yd. Spring St. and Grand Ave. $30,000. Jerry Donohue Eng. Co., North 8th St., Sheboygan, engrs.

Kan., Oskaloosa — June 10, by Clerk Jefferson Co., grading and surfacing Federal Aid Project 178-A, 16,356 sq.yd. brick or concrete, 149 lin.ft. curb, 9,386 lin.ft. curb and gutter, 6,114 cu.yd. excav., etc. R. C. Ham, co. engr.

Nebraska—May 29, by State Highway Dept., Lincoln, 26,500 sq.yd. paving, North Platte-Maywood Rd., Federal Aid Project 221-A. $66,250. R. L. Cochran, state highway engr.

Mo., Chillicothe—May 26, by City clerk, grading and surfacing 22 blocks 10th, 9th, Normal, Walnut, Springhill Sts., etc., brick on concrete, concrete or tarvia, concrete curbs and gutters. Noted May 8.

Ark., Atkins—May 29, by F. A. Williams, Dist. Atty., Bank of Atkins Bldg., improving roads Dist. 4, Pope Co., 72,300 cu.yd. excav., 25 acres clearing and grubbing, 3,340 lb. reinforcing, 1,395 ft. 12-in. to 24-in. concrete pipe, 38,000 sq.yd. sand and 55,000 sq.yd. 7-in. compact gravel. Ford & McCrea, 215 Gazette Bldg., Little Rock, engrs.

Ark., North Little Rock (branch of Little Rock)—June 5, W. W. Shepherd, Dist. Atty., Exchange Bank Bldg., Little Rock, grading, curbing, guttering and concrete and paving 26,000 sq.yd. in Baring Cross Sub-division, here. $85,000. H. R. Carter, Exchange Bank Bldg., Little Rock, engr.

Tex., Abilene—Taking bids paving 33,621 sq.yd. Sayers Blvd., Oak, Chestnut, South 9th and Leahy Sts., bitulithic, rock asphalt, brick and standard pavements. $90,000-$100,000. O. K. Hobbs, city engr.

Tex., Dallas—Forest Ave. Heights Development Co., G. A. Gamble, pres., Praetorian Bldg., taking bids paving, walks, sewers, etc. $500,000. Koch & Fowler, Central Bank Bldg., engrs.

Tex., Franklin — June 3, by J. Reid, judge Robertson Co. at Hearne, grading, etc., 10.87 mi. State Highway 6, 26 ft. $98,000. L. A. Peterman, Hearne, engr.

Tex., Sweetwater—June 9, by Comrs. Nolan Co. grading, etc. Maryneal-Roscoe Rd. $25,000. J. A. Focht, co. engr.

Calif., Oakland — City Council taking bids improving portion 13th Ave. between East 14th and East 28th Sts., etc., 262,467 sq.ft. grading, 10,515 ft. concrete curb, 1,219 ft. concrete curb with steel guard, 13,623 sq.ft. concrete gutter, 247,882 sq.ft. 5 in. concrete base with 1½ in. Warrenite-bituminous surface, etc. W. W. Harmon, city engr.

Streets and Roads (Continued)

Ont., Sandwich—May 26, by W. P. Coyle, clk. Essex Co., 2 mi. rein.-con. pavement, Front Rd. in Sandwich West. $150,000. J. J. Newman, Davis Blk., Windsor, engr. Prices wanted on all materials.

BIDS RECEIVED

Vermont — State Hy. Dept., Montpelier, May 8, improving Barton-West Burke Rd., in Sutton, 2,940 cu.yd. gravel surface, 12,356 cu.yd. earth and 1,000 cu.yd. rock excav., from D. W. Overrocker, Brattleboro, $33,538. Noted May 1.

Mass., Boston—Recut granite block pavement on Ruggles and Whittier Sts., to Highland Constr. Co., 5 Ulmer St., Roxbury (Boston P. O.), $26,589; bitulithic, repaving Shawmut Ave. from Castle to Roxbury Sts., to M. P. Goddis, 2-A Victoria St., Dorchester (Boston P. O.), $205,317.

New York—A. W. Brandt, comr. highways, Albany, May 9, **(e. e. means engrs. est.)**, constructing and reconstructing 3.24 mi. White Creek-North Hoosick, Repair Contr. 1410, Washington Co., from F. D. Miller & Co., Norwich, Conn., $146,027, e. e. $156,838; 3.6 mi. Batavia-Bergen, Highway 8179, Genesee Co., from Constantine Constr. Co., 7 Exchange St., Buffalo, $164,773, e. e. $196,022; 3.17 mi. Waverly-Owego, Repair Contr. 1408, Tioga Co., from Wieberg Bros., Corning, $143,253, e. e. $157,425; 6.75 mi. Wells-Speculator, Highway 5523-A, Hamilton Co., from J. J. Bellotte & Son Constr. Co., Troy, $282,783, e. e. $298,144; 8.98 mi. Old Forge-Eagle Bay, Highway 8180, Herkimer Co., from Foley & Van Auken, Thendara, $413,072, e. e. $372,632; 4.35 mi. Carthage-Rensselaer, Repair Contr. 1409, Rensselaer Co., from Fitzgerald Bros. Constr. Co., Inc., Proctor Bldg., Troy, $202,232, e. e. $205,681; 1.21 mi. Saratoga-Glens Falls, Repair Contr. 1405, Saratoga Co., from T. S. O'Brien, 313 Delaware Ave., Albany, $56,685, e. e. $61,576; 7.21 mi. Stone Arabia-Epgratah, Highways 1597, 1686 and 1504, Fulton Co., from S. B. Van Wagenen, Inc., Rondout, $340,171, e. e. $377,924; 2.89 mi. Dansville-Mt. Morris, Repair Contr. 1406, Livingston Co., from Twin City Constr. Corp., Tonawanda, $115,027, e. e. $124,948; 4.15 mi. Ninevah-Afton, Repair Contr. 1407, Chenango Co., from F. Lewis Sons, Afton, $140,393, e e. $156,708. Noted Apr. 24.

N. Y., Binghamton—Bd. Contr. & Supply, paving with **(a)** concrete **(b)** vitr. brick **(c)** bitulithic **(1)** Congdon Pl. **(2)** Myrtle Ave. **(3)** Susquehanna St. **(4)** South St. **(5)** Centenary St. **(6)** Charlotte St., from Stento & Serafini, 84 Court St., **(a1)** $1,775 **(b1)** $2,335 **(a2)** $4,132 **(b2)** $5,444 **(a3)** $3,491 **(b3)** $4,891 **(a5)** $4,380 **(b5)** $5,180; Municipal Constr. Co., U. C. N. Bank Bldg., Utica, **(c1)** $2,277 **(c2)** $5,112 **(c3)** $4,385 **(c4)** $7,376 **(c5)** $5,201 **(c6)** $9,273; M. Barber, 180 Henry St., **(b4)** $9,135.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, paving Richmond Terrace, granite block, from J. J. Johnson Sons, 445 Bway., West New Brighton, $21,277; Bay St., from Vandbro Constr. Co., 24 Elizabeth St., West New Brighton, $132,978. Noted May 8.

Pennsylvania — State Dept. Hys., Harrisburg, **(R. means Route and A. Application)**, R. 184, Luzerne Co., from Freeland Constr. Co., 501 Amer. Bank Bldg., Hazelton, $67,363; R. 247, Fayette Co., from Hardman & Minns, Spencer, W. Va., $84,172; R. 204, Beaver Co., from S. B. Markley, 1301 Allegheny St., New Brighton, $37,022; R. 11 and 232, Wyoming Co., from H. B. Sproul Constr. Co., Inc., 218 Adams Ave., Scranton, $352,934; A. 1430, Chester Co., from Sutton Contg. Co., 1015 Chestnut St., Phila., $107,885; R. 343, A. 2335, Bradford Co., from Meredith, McVaugh & Webb, 1409 West 10th St., Erie, $131.783; R. 185, Schuylkill Co., from W. H. Murphy & Sons, 2100 State St., Harrisburg, $410,160; R. 325, Green Co., from Froemming Bros., Inc., 1326 Humboldt Ave., Milwaukee, Wis., $357,970; R. 119, Westmoreland Co., from Herrmann & Gass, 1305 Jefferson St., Latrobe, $173,975; A. 2207, Lycoming Co., from Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., $68,315; R. 205, Venango Co., from Connell Laub & Bracht, 808 North Main St., Dayton, O., $537,449. Noted May 1.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means route and A. Application)** R. 1, Butler Co., from C. Winters Constr. Co., Renfrew, $247,971; R. 183, A. 2118, Columbia Co., from J. Christiano, 301 South Shamokin St., Shamokin, $129,996; R. 98, Forest Co., from Penn Erie Constr. Co., Erie, $227,142; R. 335, A. 1036, from F. E. Fish, 116 Stockton St., Elkton, Md., $56,038; R. 380, A. 2685, Forest Co. from Hart & Anundson, Sheffield, $42,105; A. 31, Tioga Co., from J. C. Devine Co., Alliance, O., stone or gravel $189,351; A. 1557. Chester Co.. from Juniata Co., 410 Empire Bldg., Phila., $22,997; R. 203, A. 2016, Armstrong Co. and R. 98, Forest Co. from Gruenke Bros., 209 Deposit & Trust Bldg., New Castle, $214,744 and $246,037 respectively; R. 47, Blair Co., from H. P. Streicher Co., Inc., 319 Terminal Bldg., Toledo, O. $104,581. Noted May 1.

Pa., Phila.—Bureau Hys., Dept. Pub. Wks., grading Schedule A, from T. P. Lee, 5629 Cherry St., Georges Lane, Columbia, Montgomery, Morse and Peach Sts. $13,676, Lebanon, Malvern and 59th Sts. $15,252, Warrington and 70th Sts., $11,979; from E. A. Mullen, Inc., 5512 Vine St., Hanson and St. Bernard Sts., $3,714; Roct Bros., Ridge Ave. and Righter St., Houghton and Lauriston Sts., $8,699; Byrne Bros., 335 Gates St., Mathias and Parker Sts., $3,934; E. Tourison, Jr., 1517 Bankers Trust Bldg., Weathan St., $14,202; asphalt repaving, Schedule B, from Eastern Paving Co., 401 Colonial Trust Bldg., Ellsworth St., also track area $34,897; Barber Asphalt Co., Colonial Trust Bldg., Haverford St. $41,464, Huntingdon St. $13,505, 10th St. $10,243; redressed granite block repaving Schedule C, from Mazzaola & Marano, 414 Gross St., Clifton, Drury, Naudain, Percy and Sheridan Sts., $14,228, Spruce St. (track area), $17,096; from United Paving Co., Frankford St. (track area), $18,532, York Rd. (track area), $33,941, 24th & 25th Sts. $9,146; from Dunlap & Williams, Ridge and Girard Sts., Frankford St. $67,759, 22nd St. $28,510; from Eastern Paving Co., 401 Colonial Bldg., Orthodox St. (track area), $31,507; steel repairs to bridge at 49th St. over West Chester Branch of Pennsylvania R.R., Schedule D, from Amer. Fabricated Steel Co., 2442 North Bordine St., $525.

O., Cleveland—Cuyahoga Co., May 7, improving Minor Rd. 2, 13,480 lin.ft. 4 in. drain tile gutter, 36,000 cu.yd. earth excav., 13,480 sq.yd. 8 in. concrete, from C. A. White, Willoughby, $52,753. Noted May 1.

O., New Philadelphia—Tuscarawas Co. improving 1.5 mi. Div. 1, Newport-Gilmore Rd., 18 ft., waterbound gravel and slag, from H. C. Schneider, New Philadelphia, $26,869 and $37,071 respectively; gravel, from L. Springer & Son, New Philadelphia, $29,328. Noted Apr. 3.

Indiana—State Hy. Comn., Indianapolis, surface treating State Aid Rds. 12 and 32, from R. H. King, Danville, $30,237, engrs. est. $31,936; State Aid Rds. 13, 21 and 23, from Burk Constr. Co., Newcastle, $30,412, engrs. est. $29,000; State Aid Rd. 10, Sect. K, from Bowyer Co., Newcastle, $42,758, engrs. est. $48,230; Federal Rd. 79, from Ellis & Scamahorn, Rockport, $36,818, engrs. est. $34,000; State Aid Rd. 10, Sect. Q and R, from C. R. Winks, Williamsport, $29,927, engrs. est. $36,142. Noted May 1.

Ind., Fort Wayne—Allen Co., bituminous macadam paving 3.99 mi. Marion Twp. Rd. 2, 18 ft., from C. W. Ehline, Monroeville, $28,868. Noted Apr. 27.

Ind., Rockville—Parke Co. hard surfacing Florida Twp. Rd., concrete, from Norman & DeVoto, Clinton, $39,550.

Ind., Rushville—Rush Co., concrete paving 8,676 ft. James Shannahan Rd., 18 ft., from Winslow & Hooten, Greenfield, $25,500. Noted May 8.

Ind., Terre Haute—Vigo Co., **(e. e. means engrs. est.)** concrete paving 1 mi. J. E. Bickel Rd., 18 ft., from Pigg & Snyder Constr. Co., Terre Haute, $25,463, e. e. $27,219; 12,230 ft. John White Rd., 18 ft., from Pfitzenmayer Constr. Co., Terre Haute, $50,738, e. e. $67,364; 11,220 ft. Fromme Rd., 18 ft., from John F. Kelley Co., Terre Haute, $51,886, e. e. $60,483. Noted May 8.

Wis., Wauwatosa—Bd. Pub. Wks., paving 54th St., Oak Hill, Melrose and Grand Aves., rein.-con., from Jacobus & Winding Constr. Co., State St., $32,134. Noted May 8.

Michigan — State Hy. Dept., at office Comrs. Muskegon Co., Muskegon, grading and surfacing 2.35 mi. State Trunk Line Rd. 24-26, 7,980 cu.yd. earth excav., 24,811 sq.yd. concrete, etc., from Whitlow & Nelson, Muskegon, $50.303. Noted May 1.

Michigan — State Hy. Dept. at office Comrs. Cass Co., Cassapolis, grading and surfacing State Trunk Line Rd. 40-5, Sects. A and B, Cass Co., 9,355 cu.yd. excav., 26,797 sq.yd. 7 in. standard concrete pavement, from J. E. Kaufman, Dowagiac, $48,498. Noted Apr. 17.

Michigan — State Hy. Dept., at office Comrs. Roscommon Co., Roscommon, grading and surfacing 6.474 mi. State Trunk Line Rd. 76-4, Sect. C, 23,154 cu.yd. excav., 60,719 sq.yd. gravel, 11,131 lbs. steel, etc., from H. M. Belknap, Tawas City, $50,584. Noted Apr. 17.

Michigan — State Hy. Dept. at office Comrs. Genessee Co., Flint, grading and surfacing 5.997 mi. Federal Aid Project 115, Sect. B, 28,896 cu.yd. excav., 70,133 sq.yd. concrete, and 6.357 mi. Federal Aid Project 115 Sect. A, 53,342 cu.yd. excav., 75,182 sq.yd. concrete, from States Improvement Co., La Salle St., Chicago, Ill., $151,222 and $160,665 respectively. Noted May 1.

Colorado — State Hy. Dept., Denver, gravel surfacing 3.03 mi. Federal Aid Project 226-A, La Plata Co., from Mishon Engler & Tessier, Durango, $22,223, engrs. est. $26,992; paving Federal Aid Project 283-A, Larimer Co., from F. C. Dreher, 525 Cooper Bldg., Denver, concrete $84,829, bituminous $86,987. Noted May 1.

Ariz., Tucson—Improving South 4th Ave. (1) 5 in. concrete (2) 1½ in. Warrenite on 2½ in. bituminous (3) 1½ in. asphaltic concrete on 2½ in. bituminous, from Pacific Constr. Co., Phoenix, (1) $66,004 (2) $57,520 (3) $57,250.

Calif., Los Angeles—Improving Ave. 36 between Washington Park and Gassell Ave., from Warren Constr. Co., 5544 Hollywood St., grading $29,750, concrete paving $0.245, bituminous base paving $0.12, warrenite $0.259.

Calif., Orange — Improving various streets, 640,000 ft. 6 in. and 41,010 ft. 5 in. concrete paving, curbs, walks, etc., from G. A. Simpson, San Fernando Bldg., Los Angeles, $138,600. Noted May 15.

Calif., Santa Barbara — Santa Barbara Co. paving Santa Ynez Valley Rd. System, 6 in. rock macadam, from A. J. Grier, 482 Chetwood St., Oakland, $296,890. Noted Apr. 24.

CONTRACTS AWARDED

Vermont — Dept. Highways, Montpelier, paving 0.7 mi. Barre-Montpelier Rd., Federal Aid Project 56A, 1,407 cu.yd. rein.-con., 2,300 cu.yd. earth excav., to J. E. Flood, Hudson Falls, N. Y., $28,446. Noted May 1.

Vt., Barre—City, concrete paving 1 mi. road adjoining Federal Aid Project 56A, to J. E. Flood, Hudson Falls, N. Y. Noted May 1.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, May 7, asphalt paving Lott Ave., to Borough Asphalt Co., 1301 Metropolitan Ave., $3,587, 48th St., to M. J. O'Hara Contg. Co., 717 65th St., $3,420, 64th and 81st Sts., to Cranford Co., 52 9th St., $8,956 and $9,616 respectively; grading, curbing and flagging New York Ave., to F. Persicano, 350 Fulton St., $1,802, Rockaway Parkway, etc., to Harrison & Bernhardt, Central Ave., $11,043, 16th Ave., to Galio Contg., 745 Dean St., $6,892, 46th St., to C. Bennett Contg. Co., 44 Rutland St., $15,054. Noted May 1.

N. Y., Lockport—Niagara Co. resurfacing Slayton Settlement Rd., to J. M. Murray, Le Roy, $36,693. Engrs. est. $40,403.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving 10th Ave., to J. Meehan & Son, 74 Cortlandt St., $274,548, West 180th St., to Asphalt Constr. Co., 208 Bway., $26,606; grading, curbing and flagging West 184th St., etc., to J. McCarthy, 551 Exterior St., $4,164. Noted May 15.

N. J., Princeton—Boro. Council, concrete paving 1,845 ft. University Pl., to Utility Constr. Co., 5 Spring St., New Brunswick, $27,470. Noted Apr. 10.

Pennsylvania—State Hy. Dept., Harrisburgh, concrete roads: 11,951 sq.yd. Application 2659, Bucks Co., to Ross & Whalen, 471 Southard St., Trenton, N. J., $43,778; 66,777 sq.yd. Route 71, Butler Co., to Rood Constr. Co., Butler, $343,145; 66,040 sq.yd. Route 146, Montgomery Co., to Union Paving Co., 30th and Locust Sts., Phila., $267,894; 36,580 sq.yd. Route 226, Lehigh Co., to General Paving Co., Allentown, $162,660.

Pa., Johnstown—Paving to Crissey Constr. Co., Johnstown, 18,696 sq.yd. brick on concrete, $124,179; to F. Zipf & Sons, Johnstown, 7,476 sq.yd. brick on concrete and 6,588 sq.yd. concrete $98,849; to Bell-Bockel Co. Inc., 543 Vine St., 10,060 sq.yd. brick and 5,618 sq.yd. concrete $111,695, 7,161 sq.yd. brick and 8,943 sq.yd. concrete $130,155.

Pa., Phila. — Bureau Highways, Dept. Pub. Wks., City Hall, 10,800 sq.yd. redressed granite block repaving on Frankford St. and furnishing 1,800 tons asphalt surface and 1,400 tons asphalt binder, to Union Paving Co., 30th and Lancaster Sts., $49,107 and $18,096 respectively; 17,499 tons crushed stone, to Birdsboro Stone Co., Land Title Bldg. $49,436. Bids on 5,451 tons crushed slag rejected. Noted May 15.

Pa., Washington—Washington Co. constructing 8,939 ft. McMurray Rd., to Hardy & Rankin, Canonsburg, $74,487; 10,350 ft. 84 Rd., to J. Herd, Washington, $83,519; 3,600 ft. Pike Run Rd., to Donora Constr. Co., Donora, $39,699; 5,280 ft. McClames Bridge-Meadowlands Rd., to W. K. Reed & Co., Waynesburg, $45,475; 9,400 ft. Short Creek Rd., to Petriello Bros., Brownsville, $75,015.

Maryland — State Rds. Comn., Baltimore, concrete paving 2 mi. highway in

Streets and Roads (Continueed)

Prince George Co., Contr. P-50, to Christhilf & Ensey Co., 1625 Ridgely St., $74,885, 1.35 mi. in Caroline Co., to Kaufman Constr. Co., Denton, $39,200, 2 mi. in Wicomico Co., Contr. Wi-25, to P. D. Phillips & Bro., Salisbury, $72,396, 1 mi. in Harford Co., Contr. H-37, to G. A. Atkinson, Port Deposit, $40,444, 1.55 mi. in Allegany Co., Contr. A-26, to Wallace Constr. Co., Fairmount, W. Va., $75,806; gravel surfacing 2 mi. in Prince George Co., Contr. P-45, to H. S. Swann, La Plata, $31,721. Noted May 1.

Maryland—State Rds. Comn. Baltimore, concrete paving 2.14 mi. highway in Baltimore Co., Contr. B-62, to Gosnell, Russell & Co., Frederick, $55,501; 0.25 mi. in Dorchester Co., Contr. D-30, to Smith & Renshaw, East New Market, $13,000; 1.2 mi. in Somerset Co., Contr. S-19, to Hannamon-Burroughs Co., Salisbury, $69,000. Noted May 1.

Md., Baltimore — Bd. Awards grading, curbing and paving 22,200 sq.yd. Contr. 256-OANA, asphalt on concrete, to American Paving Co., Montebello Ave. $93,829. Noted May 15.

West Virginia—State Rd. Comn., Charleston. **(P. means Project)** paving with bituminous macadam 7.18 mi. Philippi-Taylor Co. line Rd., P. 3184, Philippi Co., to R. W. Shafer Co., Chamber of Commerce Bldg., Columbus, Ga., $217,461, 6.24 mi. Martinsburg-Kearneysville Rd., P 3221 and 3026, Berkley and Jefferson Counties, to Moore & Lesley, Staunton, Va., $167,500, 2.7 mi. Wellsburg-Pennsylvania State line Rd., P. 3251, Brooke Co., to Consolidated Eng. Co., Wheeling, $48,109, 0.59 mi. approach to Hartland Bridge, P. 3037-A, Clay Co., to A. Keathley, Professional Bldg., Charleston, $20,496, 8.15 mi. Ravenseye-Greenbrier Co. line Rd., P. 130, Fayette Co., to W. J. Weakland Co., Citizens Natl. Bank Bldg., Charleston, $284,495, 4.8 mi. Alta-Clintonville Rd., P. 127-B, Greenbrier Co. and 4.2 mi. Buckeye-Millpoint Rd., P. 132, Pocahontas Co. to G. R. Hill & Co., Amer. Bank Bldg., Knoxville, Tenn., $158,900 and $105,201 respectively, 5.6 mi. Durbin-Randolph Co. line Rd., P. 132, Pocahontas Co., to Echols Constr. Co., Marlinton, $63,842; with concrete 1.65 mi. Shepherdstown Rd., P. 3217-A, Jefferson Co., to J. S. Swartsel, Staunton, Va., $130,238; grading and bituminous macadam paving 0.9 mi. Nitro-Country Club Rd., Putnam Co., to Smith & Bender, Nitro, $34,360, 4.31 mi. Elmore-Pineville Rd., P. 3248-B, Wyoming Co., to Rosenbaum Bros., Pocahontas, Va., $130,238, with vitr. brick 0.53 mi. Morgantown Rd., P. 2146, Monongalia Co., to Cisler & Morse, Marietta, O., $49,350; grading 1.1 mi. Leafbank-Grantsville Rd., P. 3165, Calhoun Co., to D. H. Harlow, Spencer, $26,211, 5.94 mi. Normantown-Calhoun Co. line Rd., P. 3111, Gilmer Co., to Sutton Constr. Co., Ashland, Ky., $177,739, 5.11 mi. Glenville-Weston Rd., P. 3278-A, Lewis Co., to Carvin & Powers, Charleston, $61,785, 6.06 mi. Hillsboro-Greenbrier Co. line Rd., P. 136-A, Pocahontas Co., to Cohen Constr. Co., Oceana, $81,355, 4.42 mi. Scary-Winfield Rd., P. 3299, Putnam Co., to J. O. McDermott & Sons, Ambrosia, $38,337, 10 mi. Kanawha Co. line Rd., P. 3075-D, Jackson Co., to Messenger & Hager, Huntington, $220,858, 10.8 mi. Diana-Cleveland Rd., P. 3279-A, Webster Co., to W. C. Markle Constr. Co., Clay, $274,799, 2.05 mi. Summersville-Duffy Branch Rd., P. 3293-B, Nicholas Co. and 8.03 mi. Camden-on-Gauley-Calvin Rd., P. 3293-A, Nicholas Co., to Lookout Constr. Co., Lookout, $28,927 and $108,423 respectively; grading and surfacing with bituminous macadam 7 mi. Bulltown-Lewis Co. line Rd., P. 3071, Braxton Co. and grading 4.4 mi. Franklin-North Mountain Rd., P. 3175-B, to J. J. Battershill & Sons, Charlottsville, Va., $162,804 and $72,792 respectively; paving with bituminous macadam 2.2 mi. Elkins-Parsons Rd., P. 3211-A, Randolph Co. and grading 3.9 mi. Pleasantsville-Hanging Rock Rd., P. 134, Hampshire Co., to Branham, Edwards & Dayton, Clarksburg, $49,320 and $86,260 respectively, all foregoing roads 18 ft. Noted Mar. 27 and Apr. 3.

W. Va., Wheeling — Vitr. brick paving McColloch St., to Coss & Otto, Wheeling, $82,848. Noted Apr. 24.

S. C., Chester—Chester Co. top soiling 3.2 mi. State Route 7, Federal Aid Project 235 A to W. C. Peay, Jr., Fort Mill, $26,662; creosoted timber bridge, twenty-four 14 ft. spans, to W. B. Boyle Co., Sumter, $10,576.

S. C., Moncks Corner—Berkeley Co. sand clay surfacing 10 mi. State Route 31, State Project S-517, to W. M. Thompson, Burlington, N. C., $46,483.

S. C., Saluda—Saluda Co. top soiling 13.22 mi. State Route 392, State Project S-516, to J. F. Blakenship, Greenwood. $51,085. Noted May 1.

Fla., Apalachicola—Franklin Co., grading, etc., 19 mi. Sects. A, B and C, State Rd. 10, to Newell Contg. Co., Ave. A, Birmingham, Ala., $49,000. Noted Feb. 28.

Fla., Bradentown—Manatee Co., surfacing 21½ mi. North Palmetto and Gulf Shore Special Rd. & Bridge Dists., asphaltic oil and slag, including 2 years upkeep, to Finley Method Co., Bradentown, and Graham Bldg., Jacksonville, $55,115. Noted May 1.

Fla., Tavares—Lake Co. paving road from Eustis to Tavares, asphaltic concrete on lime rock, to C. R. Scott Co., Clearwater, $58,047.

Ala., Florence — Lauderdale Co. paving with Alabama rock asphalt 7,000 ft streets, 24- and 50-ft., to Uvalde Paving Co., Insurance Bldg., Dallas, Tex., $191,000. Noted Mar. 13.

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, grading, etc., 5.23 mi. Lenoir-Knox Co. line Rd., 18 ft., Federal Aid Project 207, Loudon Co., to R. L. Peters Constr. Co., Holston Natl. Bank Bldg., Knoxville, $53,633, 4.72 mi. Haywood Co. line-Fayette Co. line Rd., 18 ft., Tipton Co. and 5.25 mi. Bells-Madison Co. line Rd., 16 ft., Crockett Co., incl. several bridges, to D. M. Sparksman & Co., Dyersburg, $38,107 and $47,048 respectively; surfacing with cement concrete 5 mi. Manchester-Beech Grove Rd., 9 ft., State Aid Project 151-B, Coffee Co., to Citizens Eng. & Constr. Co., Savannah, Ga., $65,872; grading and surfacing with bituminous macadam 5.35 mi. Hartsville-Sumner Co. line Rd., 14 ft., State Aid Project 166, Trousdale Co., to Jefferson County Constr. Co., Louisville, Ky., $55,787. with bituminous macadam on giant macadam 12.62 mi. McMinnville-Rock Island Rd., 18 ft., Warren Co., to Warren County Constr. Co., Nashville, $346,364, with bituminous macadam and limestone on giant macadam 7.35 mi. Cookeville-Overton Co. line Rd., 16 ft., State Aid Project 123-B, Putnam Co., to Foster Creighton Co., 4th and 1st Natl. Bank Bldg., Nashville, $167,710. J. G. Creveling, highway comr. Noted May 15.

Ohio—Dept. Highways and Pub. Wks., Columbus, to Andrews Asphalt Paving Co., 717 Rentschler Bldg., Hamilton, paving with sheet asphalt 3.014 mi. Cincinnati-Dayton Rd., Sect. X-1, 1.045 mi. Sect. X-2, and 2.53 mi. Sect. W-2, Butler Co., $114,806, $49,840 and $103,656 respectively; to W. M. Gray, 408 Fairwood Ave., Columbus, bituminous macadam asphalt paving 4.368 mi. Sect. A and 5.475 mi. Sect. E, Toledo-Grand Rapids Rd., Wood Co., $113,869 and $114,739 respectively; to L. G. Rockholt, West Mansfield, 3.101 mi. Sect. H-1, Marysville-Marion Rd., Union Co., surface treated with waterboound macadam, $56,165. Noted May 15.

O., Akron—Improving Fifth Ave., to V. Olsen Contg. Co., Akron, $28,996, engrs. est. $30,000; grading and laying concrete sidewalks on Murray Ave., to Hollinger & Davidson, Akron, $26,860, engrs. est. $27,500.

O., Cleveland—Paving 8,650 sq.yd. Angelus Ave., asphalt, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $42,790; 17,350 sq.yd. Huron Rd. and East 55th St., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $22,717 and $50,906 respectively; Foulk Ave., vitr. brick, to Gould & Maybach, 16311 Saranec Rd., $7,717; Mapleside Ave., vitr. brick, to River Constr. Co., Mapleside Ave., $2,375; East 112th St., vitr. brick, to Enterprise Paving & Constr. Co., 8444 Bway., $17,810; Heath and Raymond Aves., vitr. brick, to A. M. Pejsa Paving Co., 3161 Derbyshire Rd., $4,202; 10,240 sq.yd. East 137th and East 152nd Sts., vitr. brick, to Baldwin Bros., 4500 Euclid Ave., $7,449 and $53,168 respectively. Noted May 15.

O., Lisbon—Columbiana Co. improving 0.32 mi. Elysian Way, 18 ft., concrete, Liverpool Twp., to Allison-Harris Co., East Liverpool, $25,032; engrs. est. $30,000; grading 2.23 mi. Summitville-Gaver Rd., 30 ft., to H. C. Armstrong, Lisbon, $25,984, engrs. est. $27,500.

O., Mansfield—Secretary Bd. Control, to G. B. Herring & Son, 132 South Main St., paving North Diamond St. $42,094, North Bowman St. $17,636, East 5th St. $9,594, all brick; to F. Gandert & Son, 104 South Diamond St., paving East 1st St., brick, $19,583, South Glenn Ave., brick, $5,331, Buffalo and Elizabeth Sts., concrete, $6,356; to R. Au, resurfacing McPherson St., concrete, $17,803. Noted Apr. 17.

O., New Philadelphia—Tuscarawas Co. improving Newport-Gilmore Rd., Div. 1, with slag, to H. C. Schneider, $37,071. Engrs. est. $40,000. Noted May 22.

O., Steubenville — Jefferson Co., cold patching 9 highways, to C. C. Haulage Co., Columbus, asphalt $36,947, tar $35,902; paving Sect. B Rayland-Mt. Pleasant Rd., to Wolfe & Wolfe, Smithfield, $33,637.

O., Washington C. H.—Fayette Co., resurfacing 60 mi. road, tar and asphalt, to T. D. Van Camp & Sons, Hartman Bldg., Columbus, $97,000.

Ind., Albion—Noble Co. concrete paving Krieger Rd., to Meredith Constr. Co., Indianapolis, $32,880. Noted May 1.

Ind., Ft. Wayne — Allen Co., concrete paving 15,522 sq.yd. Yaste Rd., to Moellering Constr. Co., Cook Rd., $52,173.

Ind., South Bend—Brick paving 0.92 mi. Johnson St., 30 ft., to H. N. Barnes, South Bend, $48,567.

Ind., Wabash—Wabash Co., **(e. e. means engrs. est.)**, hardsurfacing 18,078 ft. Lee Carr Rd., 18 ft., to Pike Constr. Co., Wabash, $88,560, e. e. $94,005; concrete paving 9,502 ft. Albert Betchold Rd., 18 ft., to Brumfield & Son, Wabash, $42,000, e. e. $49,412, 16,261 ft. Thomas Betchold Rd., 18 ft., to Kennedy Constr. Co., Wabash, $61,700, e. e. $74,557, 19,861 ft. Huffman Rd., 18 ft., to Northern Constr. Co., Wabash, $100,500, e. e. $103,379. Noted May 15.

Ind., Warsaw—Kosciusko Co., concrete paving 26,941 ft. Turner Rd., 18 ft., to E. A. Gast, Warsaw, $116,500. Engrs. est. $151,678. Noted May 15.

Michigan — State Hy. Dept., at office Comrs. Wexford Co., Cadillac, grading and surfacing State Trunk Line Rd. 42-1, A and B, 14,861 cu.yd. excav., 26,805 sq.yd. gravel, to J. A. Swanson, LeRoy, $22,177. Noted May 15.

Michigan — State Hy. Dept., at office Comrs. Iron Co., Crystal Falls, grading and surfacing State Trunk Line Rd. 12-42, Sect. B, 20,712 sq.yd. bituminous macadam, to Iron Co. Road Comn., Crystal Falls, $39,513. Noted May 15.

Michigan—State Hy. Dept., Lansing, will construct 1.337 mi. Federal Aid Project 70, Sects. B and C, Oakland Co., 0.939 mi. will be 20 ft. and 0.398 mi. 40 ft., concrete, by day labor. $50,000.

Michigan — State Hy. Dept., Lansing, grading and surfacing Federal Aid Project 113 C, Kent Co., 70,851 cu.yd. excav., 162,545 sq.yd. concrete pavement, to G. P. Schail, Muskegon, $365,123. Cement furnished by State $129,851.

Michigan — State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 20-22, Mason Co., and 0.512 mi. State Trunk Line Rd. 11-37, Mason Co., to L. Goldberg, Scottville, $16,495 and $15,345 respectively. Noted May 15.

Michigan — State Hy. Dept. at office Comrs. Calhoun Co., Marshall, grading and surfacing 2.072 mi. State Trunk Line Rd. 29-12, 29,929 sq.yd. concrete, etc., to Rockford Constr. Co., Rockford, O., $66,178. Noted May 15.

Michigan — State Hy. Dept. at office Comrs. Ontonogan Co., Ontonagon, grading and surfacing State Trunk Line Rd. 26-12, Ontonagon Co., 69,653 cu.yd. excav., 19,933 tons stamp sand to Smith-Sparks Constr. Co., Houghton, $115,446. Noted May 15.

Michigan—State Hy. Dept., Lansing, to Hill & Belknap, East Tawas, 4.002 mi. State Trunk Line Rd. 25-13, Schoolcraft Co., 49,177 cu.yd. excav., 37,492 sq.yd. one course gravel, $61,981, 4.994 mi. State Trunk Line Rd. 25-12, Chippewa Co., 46,879 sq.yd. one course gravel, $32,245, 14,185 mi. State Trunk Line Rd. 25-8, Schoolcraft Co., 132,478 sq.yd. one course gravel, $91,832, 5.932 mi. State Trunk Line Rd. 25-7, Schoolcraft Co., 65,473 cu.yd. excav., 55,552 sq.yd. one course gravel, $93,268, 13.284 mi. State Trunk Line Rd. 25-15, B and C, Chippewa Co., 125,131 sq.yd. one course gravel, $88,829, 12.912 mi. State Trunk Line Rd. 25-5 A and B, Alger Co., 121,204 sq.yd. gravel $86,391. Noted May 15.

Michigan — State Hy. Dept., Lansing, grading and surfacing State Trunk Line Rd. 24-25, A 2 and B, Isabelle Co., 11,918 cu.yd. excav., 12,140 sq.yd. concrete, to Holmes & Bartling, Alma, $34,459. Noted May 1.

Ill., Elmhurst—For 65,000 sq.yd. asphaltic concrete on concrete, 51,000 lin.ft. curb and gutter, 5,000 sq.ft. sidewalk adjusted, etc., to Standard Paving Co., 326 West Madison St., Chicago, $307,000. Engrs. est. $300,000. Noted Apr. 24.

Wisconsin—State Hy. Comm., Madison, grading and concrete surfacing Chilton—Hilbert Rd., Project 1049, Calumet Co., to F. Radloff, Plymouth, $33,966, grading and bridging, etc., Portage-Kilbourn Rd., Project 360-B, Columbia Co., to M. Fisch, Kilbourn, $60,844. Noted May 15.

Wis., Madison—Bd. Pub. Wks. at office H. C. Buser, city clk. grading site for Nine Spring Sewage Disposal Works, in town Blooming Grove, to N. Quinn, Madison, $39,780. Noted May 1.

Ia., Des Moines—Paving Park Ave. and Southwest 13th St., to Wright Constr. Co., 211 Flynn Bldg., 17,000 sq.yd. vibrolithic concrete at $2.35 and 7,385 sq.yd. at $2.48.

Streets and Roads (Continued)

Ia., Oelwein—Paving various streets to Western Paving Corp., 1st and Nebraska Sts., Sioux City, 72,000 sq.yd. sheet asphalt at $2.69 per sq.yd., and 35,800 lin.ft. concrete curb and gutter, at $0.96.

Minn., Ortonville—Big Stone Co., (1) Job 2401, State Rd. 13, 7 mi. grading, 37,400 cu.yd. excav., 36,000 cu.yd. overhaul, 870 ft. portable culverts (2) Job 2402, State Rd. A, 5 mi. grading, 48,000 cu.yd. excav., 1,100 lin.ft. portable culverts; grading to Monson Constr. Co., Moorhead, (1) $11,004 (2) $16,220; concrete culverts to Elk River Concrete Products Co., Elk River (1) and (2) $2,606; metal culverts to Berger Mfg. Co., 1701 North East Bway., Minneapolis, $1,105. Noted Apr. 17.

Kan., Emporia—Lyon Co., grading and surfacing 2.003 mi. Neosho-Rapids Spur Rd., Federal Aid Project 224-A, 21,148 sq.yd. one course concrete, 1:2:3½ mix, 11,277 cu.yd. grading, 14,667 lb. reinforcing, to Stamey Constr. Co., Hutchinson, $66,120. Engrs. est. $69,443. Noted Apr. 10.

Kan., Ft. Scott — Grading and paving with bituminous filled brick 3.897 mi. Federal Aid Project 208-A, Barbour Co., to T. L. Thogmartin & Sons, Ft. Scott, $149,632, 125,000 gal. bitumin furnished and applied, to J. H. Crosgrove & Son, Olathe, $14,919. Noted Apr. 3.

Kan., Great Bend—Barton Co. will construct 1.297 mi. Project 158, Sects A and B, 2,840 cu.yd. excav., 16,220 cu.yd. borrow, 4,582 lin. ft. guard rail, also six 16 ft., one 20 ft. and one 40 ft. bridges, by day labor, under supervision B. S. Allen, co. engr. $27,688.

Kan., Sedan—Chautauqua Co., grading and paving Federal Aid Project 201-A, 5,262 cu.yd. excav., 19,628 cu.yd. borrow, 269 cu.yd. mass concrete, 25,730 lb. reinforcing, 25,916 sq.yd. rein.-con., etc., to H. R. Amerman, 248 North Market St., Wichita, $86,448; Bridge 1, Federal Aid Project 201-B, 191 cu.yd. concrete, 19,430 lb. reinforcing, etc., to Hibben & Green, Independence, $5,398, Bridge 2, 407 cu.yd. concrete, 27,032 lb. reinforcing, 147,600 lb. structural steel, etc., to Pioneer Constr. Co., New York Life Bldg., Kansas City, Mo. Noted Mar. 27.

Kan., Wellington—Sumner Co. grading and concrete surfacing 2.335 mi. Belle Plain Rd., Project 235-9, 18 ft., to Stewart & Richie, Wichita, $82,933; bridges, to Yancy Constr. Co., Abilene, $4,386. Noted Apr. 1.

Missouri — State Hy. Dept., Jefferson City, grading, to L. A. Woods Constr. Co., Smithville, Kansas City-St. Louis Rd., Lafayette Co., 3.865 mi. $40,405, 3.856 mi. $32,271, 4.055 mi. $26,582, 4.204 mi. $38,757, 4.883 mi. $33,337, 4.05 mi. $24,784, to Haller & Davis, Boonville, same road Cooper Co., 1.89 mi. $19,431, 4.215 mi. $49,761, 4,827 mi. $23,234, to Springfield Constr. Co., Springfield, Lamar-Minden Mines Rd., Barton Co., 3.463 mi. $9,565, 4.006 mi. $7,866, to Tibbetts & Tibbetts, Olathe, Kan., 4.297 mi. Williamsburg East and West Rds. $27,585, and 4.981 mi. Callwood-Williamsburg Rd., $26,329, both Callaway Co., to Jones & Harlan, West Plains, Dunn-Cabool Rd., Texas Co., 2.509 mi. $16,157, 2,652 mi. $17,138, to Thomas & Johnson, Doniphan, Doniphan-Fairdealing Rd., Ripley Co., 2.756 mi. $11,594 and 2.372 mi. $8,662, to Kelly and Underwood Granby, 4.951 mi. Washburn South Rd., $24,803, 3.314 mi. Seligman North South Rds., $17,243, both Barry Co., to C. L. Johnson, Warrensburg, 3.161 mi. Cole Camp West Rd., Benton Co. $15,888, to R. P. Sharp, Reed Springs, 1.15 mi. Greenfield-Pennsboro Rd., Dade Co., $12,794, to E. C. Johnson, Carrollton, 1.25 mi. Washington Rd. East, Franklin Co., $11,099, to Tolbert Bros., Stoutland, 3.625 mi. Fordland-Seymour Rd., Webster Co., $9,729, to Louring & Lingo, Amy, 2.301 mi. Cabool-Houston Rd., Texas Co., $8,296, to C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, 3.386 mi. Linneus-Laclede Rd., Linn Co., $24,280; gravel surfacing to Easley Bros., Aurora, Stockton Rd. east and west, Cedar Co., 3.453 mi. $16,002, 1.074 mi. $14,530, to C. C. Hayward, Shelbina, 1.136 mi. Paris-Shelbina Rd., Monroe Co., $7,939, to C. W. Knox, Jackson, 1.268 mi. Gravel Hill West, Cape Girardeau Co., $10,485, to Kiefner & Gelle, Perryville, 1.8 mi. St. Marys South Rd., St. Genevieve Co., $27,738, to H. A. Worman, Pittsfield, Ill., 1.94 mi. Perryville North Rd., Perry Co. $33,792, to Layton Constr. Co., Muscatine, Ia., 4.019 mi. Kahoka East and West Rds., Clark Co., $23,356, to C. Jobe, Clarksburg, 0.634 mi. Jefferson City-Kansas City Rd., Morgan Co., $7,287, to W. A. Reynolds, Marble Hill, 1.666 mi. Fredericktown West Rd., Madison Co., $21,102; concrete surfacing, to Tibbetts & Tibbetts, Olathe, Kan., Williamsburg Rd. East and West, Callaway Co., 4.297 mi. $133,862, 4.981 mi. $155,170; asphalt surfacing to E. C. Johnson, Carrollton, 1.25 mi. Washington Rd. East, Franklin Co., $15,576. Noted May 8 and 15.

Arkansas — Comrs. Little Rock-Hot Springs Hy. Dist., Little Rock, to Houston Constr. Co., 1209½ Capitol Ave., Houston, Tex., paving 100,000 sq.yd. Red Gates-Benton Rd., at $2.00 per sq.yd.; to Koss Constr. Co., Box 632, Desmonies, Ia., 350,000 sq.yd. Benton-Hot Springs Rd., at $2.17 per sq.yd.; to L. Johnson, Joplin, Mo., steel work on bridges, $16,000; to Oliver Constr. Co., 322 West Markham St., Little Rock, foundations and culverts, $61,000. Owner furnishes sand and gravel and contractor buys cement.

Ark. Camden — Improving 18,480 ft. Shady Grove, Washington Heights and other streets, 4 ft. sidewalk, 1 part cement and 2 part sand on 1 part Marquette cement and 5 parts gravel, to A. G. Trude, Camden, at $0.19 per sq.ft. $3,000 extra for grading. Noted Dec. 6.

Ark., Little Rock—Improving streets in Dist. 355, 6,000 cu.yd. excav., 12,900 lin. ft. concrete curbing, 14,100 sq.yd. asphaltic concrete on concrete, 8,300 sq.yd. 6 in. concrete gutters, etc., to Connelly Paving Co., Southern Trust Bldg.

Ark., Rogers—Improving Dist. 6, 6,700 cu.yd. grading, 7,000 lin.ft. concrete curb and gutter, 24,000 sq.yd. 3-in. vertical fibre brick on concrete, 3,800 lin.ft. 10- to 27-in. vitr. clay storm sewer, etc., to Kaw Paving Co., 616 N. E. Bldg., Topeka, Kan., $100,853. Engrs. est. $100,000. Noted Apr. 17.

Tex., Baird—Callahan Co. grading and bituminous surfacing 9.62 mi. Sect. A, Bankhead Highway, Federal Aid Project 52-A, 18 ft., to Tibbetts Constr. Co., Mineral Wells, $159,436; concrete bridges on same, to McCall-Eng. Co., Amicable Bldg., Waco, $55,863. Noted May 15.

Tex., Crowell — Paving 13,980 sq.yd. various streets, 3 in. vertical fibre brick, to Jordan Constr. Co., Plainview, $52,928. Noted May 1.

Tex., Ft. Worth—Grading, paving, curbing and guttering East 1st, 2nd, 4th, 5th, 12th and 16th Sts., to J. F. Wills, 115 Bryan St., $25,900.

Tex., Goose Creek — Improving various streets, 25,000 cu.yd. excav., 20,000 cu.yd. shell, 36,000 sq.yd. bituminous topping, etc., to Sherman-Youmans Co., West Bldg., Houston, $90,000.

Okla., Tulsa—Paving with asphalt on concrete 7,860 sq.yd. in Dist. 540, 7,394 sq.yd. Dist. 544, and 859 sq.yd. Dist. 547, to H. L. Kannady Co., 1122 South Lewis St., $39,203, $45,769 and $4,171 respectively; with concrete 898 sq.yd. Dist. 542, 1,915 sq.yd. Dist. 503 and 732 sq.yd. Dist. 545, to Tibbets & Pleasant, Inc., 209 North Nogales St., $3,010, $8,060 and $2,382 respectively; with vibrolithic concrete 1,863 sq.yd. Dist. 546, to Western Co., 814-15 Daniels Bldg., $8,967; 6,110 ft. 8 in. vitr. tile sanitary sewer Dist. 202, to Foster & Roach, Tulsa, $16,888.

Nevada—State Highway Dept., Carson City, to K. Hodgman, Reno, 18.02 mi. highway from Campbell Creek Ranch to Summit of Railroad Pass, Lander Co., 66,000 cu.yd. excav. $0.45, preparing 18.02 mi. subgrade and shoulders $300, 21,000 cu.yd. load and screen gravel $1.15, 40,000 yd. mi. haul gravel $0.45, 21,000 cu.yd. spread gravel $0.15, 45 cu.yd. concrete $50, etc., total $91,158 engrs. est. $113,776; to F. Coolidge, Fallon, 10.16 mi. from Eureka to east county line, Eureka Co., 63,000 cu. yd. excav. $1, preparing 10.16 mi. subgrade and shoulders $350, 11,000 cu.yd. loading and screening gravel $1, 17,300 yd. mi. hauling gravel $0.55, 11,000 cu.yd. spreading gravel $0.20, 280 cu.yd. concrete $60, 594 lin.ft. 15 in. corrugated metal pipe $2.25, 828 lin.ft. 18 in. corrugated metal pipe $2.75, etc., total $115,585, engrs. est. $98,009; 13.65 mi. from west county line to Pancake Summit, White Pine Co., 70,000 cu.yd. excav. $0.50, preparing 13.65 mi. subgrade and shoulders $350, 15,000 cu.yd. loading and screening gravel $1.25, 24,400 yd. mi. hauling gravel $0.55, 15,000 cu.yd. spreading gravel $0.20, 42 cu.yd. concrete $60, 640 lin.ft. 15 in. corrugated metal pipe $2.30, 916 lin.ft. 18 in. corrugated metal pipe $2.80, 272 lin.ft. 24 in. corrugated metal pipe $3.80, etc., total $86,608, engrs. est. $102,888. Noted Apr. 24.

Arizona—State Highway Dept., Phoenix, constructing Prescott-Phoenix Highway, from White Spar to Congress Junction, Federal Aid Project 72, Yavapai Co., to Phoenix-Tempe Stone Co., Home Builders Bldg., Phoenix, 33,038 cu.yd. excav. roadway $0.85 per cu.yd., 110,830 cu.yd. excav. borrow $0.40, 1,807 cu.yd. excav. structures $1, 2,565 cu.yd. excav. ditches and channel changes $0.85, 27,996 cu.yd. surfacing $0.60, 1,623,768 sta.yd. surfacing overhaul $0.025, 607 cu.yd. Class A concrete $19, 193 cu.yd. Class B concrete $18, 184 cu.yd. Class C concrete $16, 225 cu.yd. cement rubble masonry $10, for structures over 20 ft. clear span 532 cu.yd. concrete $25, 140 lin.ft. steel cylinders $40, etc., total $201,819. Noted May 1.

Calif., Bakersfield—Kern Co. improving Rd. 269, extension of 4th St. in Taft, willite, (contractor to furnish all materials, county to furnish roller), to California Constr. Co., Brower Bldg., $29,600. Noted May 15.

Calif., Burbank — Grading and paving Pioneer Ave., 5 in. concrete, to G. A. Simpson, Olson Bldg., $109,100. Noted Apr. 24.

Calif., Gilroy—Improving various streets, Warrenite pavement, to Southwest Paving Co., Washington Bldg., Los Angeles, $464,845. Noted May 8.

Calif., Glendale—Improving Sonora and 5th Sts., to E. L. Fleming, 324 West Dryden Ave., 274,000 sq.ft. grading $0.05 per sq.yd., 8,540 lin.ft. curb $0.50, 4,596 lin.ft. 8 in. vitr. pipe sewer $1, 149,650 sq.ft. 3 in. macadam $0.105, etc., total $39,881. Noted May 8.

Calif., Los Angeles—Improving Canoga Ave. between Ventura Blvd. and Drumetz Rd., to G. R. Curtis, 2440 East 26th St., grading $90,000, 26,519 ft. heavy curb $0.75, 283,262 sq.ft. walk $0.25, storm drains $1,500, street lighting system $13,500, 30,887 ft. light curb $0.65. Noted May 8.

Calif., San Diego—To California Constr. Co., Union Bldg., improving Woolman Ave. and N St., 206,196 sq.ft. 1½ in. Warrenite on 3 in. bituminous $0.20, 7,817 sq.ft. concrete sidewalk $0.25, 1,571 lin. ft. concrete curb $0.75, culverts $7,210, total $52,065. Noted Mar. 6.

Calif., San Diego—Improving Reynard Way, State and Goldfinch Sts., 40,066 sq.ft. paving, 2 in. sheet asphalt on 4 in. concrete, 144,738 sq.ft. 5 in. concrete, 2,237 lin. ft. concrete curb, 1,783 sq.ft. concrete sidewalk, to D. H. Ryan, 1615 Fern St., $47,441.

Que., Lasalle — Macadam and concrete pavements throughout city, to Kennedy Constr. Co. Ltd., 310 Shaughnessy Bldg., Montreal, $50,000.

Que., Lasalle—Grading and foundation in Bronx Parc, to McDonald, Dibblee & Devito, Jolicoeur St., Montreal, $19,200; concrete curbing and paving 3,601 ft. Dolmuny Terrace, Sterling, Strathyne and Rothesay Aves., bituminous macadam, to Leger & Charlton, 951 Rivard St., Montreal, $11,300; concrete paving 1,262 ft. St. Patrick Rd., to A. Jewett, St. Luke St., Montreal, $6,100. Noted May 8.

Industrial Works

PROPOSED WORK

Mass., Everett — Repair Shop — Boston Electric Ry., Park Sq. Bldg., Boston, plans shop, here. To exceed $40,000. E. Mahler, purch. agt.

Mass., Worcester — Plant — Worcester Lawn Mower Co., Freemont St., plans 2 brick additions. $60,000. Private plans.

Conn., New Britain — Factory — Stanley Rule & Level Co., 111 Elm St., having plans prepared 3 story, 60 x 89 ft. addition. $45,000. Private plans.

Conn., Waterbury — Plant — Waterbury Farrell Fdry. & Machine Co., 425 Bank St., plans 60 x 100 ft. addition. $50,000. F. A. Webster, 51 West Main St., archt.

N. Y., Rochester—Plant—Rochester Gas & Electric Co., 34 Clinton Ave. N., plans heating plant, Lawn and James Sts. $300,000. H. Russell, genl. mgr.

N. Y., Tully—Factory—W. A. Cardner Box Co., Lincoln Ave., plans rebuilding factory, recently destroyed by fire. $50,000.

Pa., Phila.—Power Plant—See "Buildings."

Ala., Birmingham—Factory—One Minit Cerial Corp., (newly organized company), Birmingham, plans 3 story, 100 x 150 ft. factory. $300,000. Engineer and architect not named.

Ky., Louisville — Plant — Engelhart & Sons, 805 West Main St., having plans prepared by A. G. Tafel, Coleman Bldg., 5 story, 80 x 100 ft., 14th and Magazine Sts. To exceed $50,000.

Ky., Wilmore—Power Plant—Asbury College plans rebuilding power house plant recently destroyed by fire. About $40,000.

Ind., Elwood — Plant — Sellers Cabinet Co., North 13th St. and Pennsylvania R.R.,

Industrial Works (Continued)

plans 2 story brick addition, plain foundation. $40,000.

Ind., Jeffersonville—Shop—Howard Ship Yard plans 55 x 300 ft. machine shop. $50,000.

Ind., Logansport—Plant—Swift & Co., 76 West Monroe St., Chicago, plans 3 story and basement, 70 x 106 ft., rein.-con. and brick, here. $100,000. Private plans.

Ill., Galesburg—Plant, etc.—A. Rinella, 131 South Kellogg St., plans 2 story and basement, 50 x 100 ft. cold storage plant and warehouse, rein.-con. and brick, plain foundation, East Simmons St. $50,000.

Wis., Milwaukee — Factory — Kepec Co. plans 1 story, brick and timber, plain foundation, Holton St. $40,000-$50,000. W. Pohl, 476 4th St., pres. Engineer and architect not selected.

Wis., Milwaukee—Factory—Smith Engineering Wks., 1154 32nd St. plans 1 story, brick and steel, plain foundation, Lake St. $50,000 or more. H. Smith, secy. Engineer and architect not selected.

Neb., Omaha — Plant — Cudahy Packing Co., 1321 Jones St., plans addition. $300,000.

N. D., Grand Forks—Plant—City having plans prepared by A. L. Mullergren, engr., Gates Bldg., Kansas City, Mo., electric light and power plant. $110,000 bonds voted initial development. Ultimate cost $500,000. Noted Mar. 13.

Mo., Mountain Grove—Power Plant—See "Unclassified."

Tex., Fort Worth — Oil Refinery — Gulf Refining Co., Diamond Hill, plans cracking plant and other refinery additions. $1,000,000. Private plans.

Tex., Houston—Sawmill—Thompson-Katz Lumber Co., West Bldg., plans sawmill, Camp Logan. $50,000. Engineer and architect not announced.

Tex., Weatherford—Planing Mill, etc.—Milmo Lumber Co. plans planing mill and lumber yard. $100,000.

California—Cement Plant—Columbia Cement Co., c/o F. A. Ballin, pres., Bartlett Bldg., Los Angeles, plans cement plant, 1,500 bbl. daily capacity, along San Diego & Arizona R.R. near Imperial valley line. $1,000,000.

Calif., Burbank—Creamery—P. M. Anderson, et al., 205 West San Fernando St., plans creamery, Alameda St. To exceed $40,000.

Calif., Fresno—Factory—Standard Embroidery Co., 909 L St., plans factory, probably rein.-con., Collins and Mariposa Sts. $45,000. L. L. DeCosta, mgr.

Calif., Los Angeles—Service and Storage Plant—Mack International Motor Truck Co., 1628 East 7th St., having plans prepared by J. M. Cooper, Marsh-Strong Bldg., 1 story, 200 x 450 ft., and 2 story, 200 x 500 ft., rein.-con., Alameda St. To exceed $350,000. Noted Jan. 24.

Ont., Kitchener—Plant—J. M. Schneider, 148 Queen St. S., having plans prepared by J. C. Kloehm, 59 Irwin St., 3 story and basement, 80 x 200 ft. rein.-con., brick and steel, plain foundation, Queen St., $200,000.

BIDS DESIRED

Mass., Willimansett — Manufacturing — Lockwood, Greene & Co., engrs., 24 Federal St., Boston, taking bids 1 and 2 story, 180 x 220 ft., concrete and steel, for B. F. Perkins & Sons, Inc.

Conn., Danbury—Power House—McLachlan Mfg. Co., taking bids 1 story, power house. $55,000. Fletcher-Thompson Co., Fairchild Ave., Bridgeport, engrs.

Conn., Waterbury — Factory — Plume & Atwood Mfg. Co., 470 Bank St., taking bids 5 story, 50 x 150 ft. addition. $100,000. Private plans. Noted Mar. 20.

N. Y., Ogdensburg—Foundry—Coplan Steel Co., c/o A. H. Coplan, taking bids 84 x 352 ft., concrete and steel. $75,000. Noted Feb. 28.

N. Y., Saratoga Springs—Power Plant, etc.—June 17, by Bd. Supervs. Saratoga Co., hydro-electric power plant, dam, and fire protection system, at Homestead Sanitarium. J. R. Whitney, clk.; adv. E. N.-R. May 22.

Pa., Harrisburg—Power Plant—June 10, by Dept. Property and Supplies, Capitol Bldg., alterations and extensions to power plant in Capitol Building, incl. Contrs. 11, 12, 13, 14 and 15. A. W. Bruner, 101 Park Ave., New York City, archt.; adv. E. N.-R. May 22.

Ind., Anderson — Plant — Hughes-Curry Packing Co. taking bids 2 story and basement, 70 x 144 ft., West 8th St. $100,000. Noted May 15.

Wis., Milwaukee—Plant—M. Fernekes, archt., 915 Chestnut St., taking bids 4 story, 60 x 85 ft., brick and concrete, plain foundation, Muskego St., for Retailers Tallow & Calf Skin Assn., c/o J. Herman, 2322 State St. $60,000.

Minn., Detroit—Power Plant—May 26, by E. J. Bestick, city clk., 1 story, 40 x 120 ft., brick addition to power plant. $45,000. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr. Noted Apr. 24.

Tex., Houston—Repair Shops—Southern Pacific R.R., Southern Pacific Bldg., taking bids car repair shops, Englewood Yards. $500,000. J. M. Hull, ch. engr.

Calif., Merced—Power House—See Dams.

BIDS RECEIVED

N. Y., New York — Housing Station — Dept. Plant & Structures, Municipal Bldg., May 13, rein.-con., brick and steel, plain foundation, 139th St. and Harlem River, from W. W. Constr. Co., Inc., 15 East 40th St., $648,800. Noted May 8.

Ky., Louisville—Foundry—Standard Sanitary Mfg. Co., 6th and A Sts., 1 story, 140 x 180 ft., 6th St., from L. W. Hancock Constr. Co., Louisville Trust Bldg., $90,000. Archts. est. $100,000.

CONTRACTS AWARDED

N. Y., Brooklyn—Repair Shop—Transit Comn., 49 Lafayette St., New York, furnishing and erecting structural steel for electrical repair shop, at Coney Island Yard, here, to J. P. Clarke, 2416 Grand Central Terminal Bldg., New York, $66,737. Noted May 15.

N. Y., Syracuse—Gas Station—Syracuse Lighting Co., 421 South Warren St., gas station, to United Gas Impvt. Contg. Co., Broad and Arch Sts., Phila., Pa. Archts. total est. $3,000,000.

N. J., Trenton—Mill—J. W. Roeblings Sons Co., 612 South Broad St., 2 story, 138 x 300 ft., brick and steel addition, to J. W. Ferguson Co., 152 Market St., Paterson, $200,000.

Pa., Bloomsburg — Mill — Magee Carpet Co. 2 story and basement, 70 x 180 ft., rein.-con. and steel, plain foundation, to Shoemaker Constr. Co., Harrisburg. Archts. est. $200,000. Noted Apr. 17.

Pa., Phila.—Plant—Wirt & Knox Mfg. Co., Sedgeley, 23rd and York Sts., 2 story and basement, 94 x 95 x 147 ft., brick and steel, plain foundation, to W. F. Newberry Co., Otis Bldg. Archts. est. $75,000.

Pa., Phila. — Plant — Pennsylvania Salt Mfg. Co., Weidner Bldg., will build 1 story, 94 x 198 ft., rein.-con. and brick, plain foundation, East 15th and Weccocoe Sts. by day labor. $40,000. Private plans.

Md., Baltimore—Plant—Carriage & Toy Co., 636-40 West Pratt St., rebuilding plant to replace one recently destroyed by fire, to Consolidated Eng. Co., 243 Calvert Bldg., $40,000.

N. C., Swannanoa—Beacon Mfg. Co., Purchase St., New Bedford, Mass., cotton mill, 200,000 sq.ft. floor space, here, to M. C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Ky., Louisville — Workshop — Kentucky School for Blind, Frankfort Ave., 2 story, 35 x 108 workshop, to J. F. Russell Constr. Co., M. E. Taylor Bldg. Archts. est. about $75,000. Noted Apr. 1.

O., Bedford—Factory, etc.—B. L. Marble Chair Co., 4 story, 30 x 72 ft., and 4 story 80 x 208 ft., factory and office, brick and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $200,000. Noted May 1.

O., Geneva—Factory—Champion Hardware Co., 3 story and basement, rein.-con., to G. A. Rutherford Co., 2725 Prospect Ave., Cleveland, $125,000. Noted Apr. 10.

Mich., Detroit—Plant—Hupp Motor Car Co., 3501 East Milwaukee St., general contracts, 1 story, 50 x 150 ft., steel block test building, incl. tunnels, etc., and 1 story, 100 x 120 ft., steel storage building, to Everett Winters Co., 1024 Book Bldg. $50,000 and $75,000 respectively.

Ill., Decatur—Car Shop and Storehouse—Wabash Ry., Railway Exch., St. Louis, Mo., 1 story, 190 x 344 ft. car shop, and 2 story, 80 x 450 ft. storehouse, brick and steel, to Dwight P. Robinson & Co., Inc., 125 East 46th St., New York City. Archts. est. $500,000.

Ill., Rockford—Factory—Rockford Brass Wks., factory and foundry, to Holm-Page Co., Kishwaukee St. Archts. est. $70,000.

Ill., Sterling—Factory—Peerless Level & Tool Co., 100 x 127 ft., brick, to Schmidt Bros. Constr. Co., Sterling. $50,000. Noted Mar. 20.

Wis., Oshkosh—Factory—Oshkosh Corrugated Box Co., 1 story, 90 x 100 ft., brick and timber, plain foundation, to Fluor Bros. Constr. Co., 52 Otter St. Archts. est. $42,000.

Neb., Beatrice—Plant—Swift & Co., c/o L. Swift, pres., 76 West Monroe St., Chicago, 3 story and basement, 96 x 146 ft., to Lehr Constr. Co., 1710 Frederick Ave., St. Joseph, Mo., $120,000. Noted May 8.

Mo., St. Louis—Factory—City Dairies Co., 2313 Washington Ave., general contract 2 story and basement, 100 x 165 ft., rein.-con. and brick, Laclede St., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $100,000.

Tex., Dallas — Packing Plant — Dallas Packing Co., 2911 Rock Island St., will build 2 story, brick and concrete, by day labor. $60,000. Private plans.

Tex., Fort Worth—Factory, etc.—W. F. George, 2316 5th Ave., 2 story, 100 x 100 ft., brick and concrete paint shop and automobile body factory, Taylor St., to Quisle & Andrews, Cotton Exch., $45,000.

Okla., Tulsa—See "Streets and Roads."

Calif., San Francisco — Factory — San Francisco Assn. for the Blind (Blindcraft) 432 Sutter St., 3 story, rein.-con., Howard and 7th Sts., to Barrett & Hilp, 918 Harrison St., $112,150. Noted May 8.

Ont., Ottawa—Bakery—Standard Bread Co., Hillson Ave., rein.-con. and brick, plain foundation, to Ross-Meaghes, Albert St. Noted Feb. 21.

Buildings

PROPOSED WORK

Mass., Arlington (Branch of Boston)—Fire Station—Town plans fire alarm station, Massachusetts Ave. and Bway. $150,000. Engineer and architect not selected.

Mass., Boston — Court House — Pub. Building Dept., City Hall, having sketches made by O'Connell & Shaw, 134 Newbury St., court house on Chestnut Hill Ave. and Academy Hill Rd. $225,000. F. Kneeland, supt.

Mass., Boston — Dormitory — Harvard Medical Alumni Assn., Longwood Ave., having plans prepared by Coolidge & Schattuck, Ames Bldg., 4 story, 120 x 200 ft., Longwood Ave. $1,000,000. Noted Sept. 27.

Mass., Boston — Mercantile — W. M. Ewatt, 200 Devonshire St., (owner and engr.), preparing preliminary plans, 10 story, Stuart St., near Berkley St. $1,000,000. Pettingell-Andrews Co., lessee.

Mass., Boston—Mercantile—G. J. Wilson, Westland Ave., plans mercantile building, Huntington Ave. near Forsyth St. To exceed $150,000. Engineer and architect not selected.

Mass., Boston—Sanatorium—City having plans prepared by Maginnis & Walsh, 100 Boylston St., brick sanatorium, Harrison Ave. and East Concord St. $250,000.

Mass., Cambridge — College — Harvard University, plans 13 buildings which include power plant (1st unit of 17 buildings), on site opposite stadium on Brighton side of Charles River as Graduate School of Business Administration $5,000,000. Total cost. $8,000,000. Engineer and architect not selected.

Mass., Charlestown (Boston, P. O.)—Bd. Educ. plans remodeling and constructing addition to Warren School for Junior High School, School and Bartlet Sts., $200,000 or more. Engineer and architect not selected.

Mass., Charlestown (Boston P. O.) — Municipal—City plans municipal building. To exceed $150,000. Engineer and architect not selected.

Mass., Haverhill — School — Dept. Pub. Wks. plans school, fireproof, Ward 5, $500,000. Morse & Chase, 25 Washington Sq., archts.

Mass., Marblehead—Club House—Eastern Yacht Club, had plans prepared by A. H. Bowditch, 44 Bromfield St., Boston, rein.-con. and brick. N. F. Ayer, 77 Franklin St., Boston, commodore.

Mass., Rosindale (Boston P. O.)—School—School Dept., plans 3 story and basement, 40 x 160 ft., and 80 x 110 ft., rein.-con., brick and stone addition to Washington Irving School in Charles Sumner Dist. $400,000. H. Walker & Sons, 120 Boylston St., Boston, archts.

Mass., Roxbury (Boston P. O.)—Schools—City of Boston plans high school for girls and high school for boys, each 36 rooms, here.

Mass., South Boston (Sta. Boston)—School—School Comn. plans elementary school, 8th and Mercer Sts., Shartleff Dist. To exceed $150,000. Architect not selected.

Mass., Springfield—School—School Bd. plans elementary school, Hancock St., $350,000. Engineer and architect not selected.

Buildings (Continued)

Mass., Swampscott — Church — First Congregational Church, having sketches made by Smith & Walker, 80 Boylston St., Boston, church. $150,000.

Mass., Whitinsville—Church—Episcopal Church Society plans new rein.-con., brick and stone. C. C. Coveney, 184 Boylston St., Boston, archt. To exceed $150,000.

Mass., Winchester—Church and Parish House — Second Congregational Church, having sketches made by F. A. Bourne, 177 State St., Boston, rein.-con. and granite. $150,000.

Mass., Worcester—Apartment—Leavitt & Katz, c/o L. W. Briggs Co., archts., 315 Main St., plan 3 story, Main St., $250,000.

Mass., Worcester—Church—St. Joseph's Church plans new church. $150,000. O. E. Nault, 48 Hamilton St., archt.

Mass., Worcester—Church, etc.—Wesley Methodist Church Society, had plans prepared by Coolidge & Carlson, 89 State St., Boston, church, chapel and parish house, rein.-con. and stone, Main St. $300,000. H. O. Brewer, chn. building comr.

Conn., Stafford—High School—Town having revised plans prepared by F. I. Cooper Corp., archts., 172 Tremont St., Boston, Mass., 2 story, 140 x 160 ft., brick, Main St. $150,000.

N. Y., Canton—County—Building Com. St. Lawrence Co. rejected bids county building. Will readvertise. $150,000-$160,000. Address A. J. Hanmer, Massena, chn. S. D. Williams, Ogdensburg, archt. Noted Apr. 3.

N. Y., Gouverneur—High School—Bd. Village Trustees, W. H. Loomis, pres., plans high school to replace one recently destroyed by fire. $200,000 to $250,000.

N. Y., Ilion—School—Bd. Educ. plans new school, to exceed $150,000. Engineer and architect not selected.

N. Y., New York—Laboratories—Columbia University, Morningside Heights, having plans prepared brick, steel and stone, plain foundation, on campus. $2,375,000. Private plans. N. M. Butler, pres.

N. Y., New York — Office — New York Life Insurance Co., 346 Bway., having plans prepared by Cass Gilbert, 244 Madison Ave., brick, steel, stone, plain foundation, Madison Ave. and 26th St. $10,000,000. This corrects report in May 1 issue.

N. Y., New York—School—Church of St. Anns, c/o E. F. Fanning, archt. and engr., 522 5th Ave., having plans prepared, 6 story, brick, steel and stone, plain foundation, 314 East 110th St. $275,000.

N. Y., Rochester—City Hall—Common Council plans new city hall, South Fitzhugh and Spring Sts. To exceed $1,000,000.

N. Y., Rome—High School—Voted $400,000 bonds new high school, Turin St. F. L. Martin, mayor. Noted May 1.

Pa., Hazleton—Church—St. Johns Greek Roman Catholic Church having plans prepared by P. B. Sheridan, Markle Bank Bldg., 1 story and basement, 61 x 126 ft. brick and steel, $160,000.

Pa., Phila.—Chapel, Dormitory etc.—Divinity School of Protestant Episcopal Church, 42nd and Locust Sts. having plans prepared by Zantzinger, Bone & Medary, Otis Bldg., chapel, dormitory, power plant, deanery and 2 faculty houses, (5 units of proposed group 14 units), 42nd and Spruce Sts. $1,000,000.

Pa., Phila. — Wards, etc. — Trustees Childrens Home Hospital, Franklin and Thompson St., plans additions to wards, nurses home and power plant. Raised $222,901 for project. Engineer and architect not selected.

Pa., Pittsburgh—Store and Apartment—Builders Service Co., Magee Bldg., making plans 7 story and basement, 46 x 58 ft., brick, tile and steel, 5th Ave. and Chesterfield St. $200,000. Private plans.

Pa., Pittsburgh—Store—J. M. Roberts & Son Co., 435 Market St., having plans prepared by G. M. Rowland, Bakewell Bldg., 5 story and basement, 37 x 80 ft., steel, concrete, granite and hollow tile, 429-31 Wood St. $200,000. Blum & Weldon, Bakewell Bldg., engrs.

Md., Baltimore—Bank—Old Town Natl. Bank, H. O. Redue, pres., Gay and Exeter Sts., plans 3 story, brick and concrete, plain foundation, Fallsway and Gay Sts. $250,000. Engineer and architect not selected.

W. Va., Parkersburg—Schools—Election May 27, $575,000 bonds for 3 new schools, auditorium, gymnasiums, shops, etc. C. C. Dutton, secy. Bd. Educ.

Ky., Louisville—Church—Crescent Hill Methodist Episcopal Church, Frankfort Ave., having plans prepared by P. Moosemiller, c/o Bankers Mortgage Co., Kenyon Bldg., 2 story and basement, brick and stone, Frankfort St. and Peterson Ave.

O., Cleveland — Apartment — Cleveland Properties Co., c/o R. M. De Fassella, Discount Bldg., having plans prepared by J. F. Bontempo, 308 Euclid Ave., 3 story and basement, brick, East 118th St. $250,000.

O., Columbus—Apartment—C. F. Bowen, 344 East State St., had plans prepared by Bassett & Tresselt, Central Natl. Bank Bldg., 11 story and basement, 45 x 62 ft., rein.-con. and brick, East State St. $350,000.

O., East Cleveland (Cleveland, P. O.)—Temple—East Cleveland Masonic Temple Co., c/o J. R. Moxon, treas., c/o Doan Savings & Loan Co., 5517 Euclid Ave., Cleveland, plans brick, on 160 x 197 ft. site, Belmore Ave. $150,000. Engineer and architect not selected.

O., New Philadelphia—Exchange, etc.—Tuscarawas County Telephone Co., plans 3 story and basement, 40 x 95 ft. exchange and office building, and 40 x 95 ft. garage and warehouse, Tuscarawas Ave., also 7 or 8 mi. underground cable. $235,000.

O., Zanesville—Science—Muskingum College, having sketches made by Babbitt, Snyder & Matthews, New Hayden Bldg., 16 East Broad St., Columbus, 3 story and basement, brick and concrete, known as Zanesville, Hall, on campus. $200,000.

Ind., Richmond — School — Bd. School Trustees plans 2 story and basement, brick, $200,000. Architect not selected.

Ind., South Bend—Hotel—H. H. Hayden, 726 East Cedar St., plans 3 story and basement, 50 x 200 ft., rein.-con. and brick, West Colfax Ave. $250,000. I. Cohen, 708 Bway., Gary, archt.

Mich., Detroit — Clubhouse — Wolverine Athletic Club, 1156 Penobscot Bldg., plans 12 story, 350 rooms, rein.-con., brick and steel, plain foundation, Bates St. $2,000,000. Architect not selected.

Mich., Detroit—Lodge—Arbiter Society, E. Krause, secy., 5970 Crane Ave., having plans prepared by G. Davis, 3252 Helen Ave., 2 story and basement, 102 x 171 ft., rein.-con., brick and steel, plain foundation, Mack and Seminole Aves., $155,000.

Mich., Detroit—Mercantile—P. R. Rossello, archt., 406 Congress Bldg., preparing plans 8 story and basement, 60 x 100 ft., brick, steel and rein.-con., plain foundation, Montcalm St. $275,000. Owners name withheld.

Mich., Detroit — Monastery — Holy Redeemer Church, 1721 Junction Ave., having plans prepared by Donaldson & Meier, 1312 Penobscot Bldg., 2 story and basement, 125 x 138 ft., brick, stone and steel, plain foundation, Dix and Junction Aves. $200,000.

Mich., Flint—School—Bd. Trustees Union School Dist., H. M. Comins, secy., 909 Flint P. Smith Bldg., having plans prepared by Malcomson & Higginbotham, 1217 Griswold St., Detroit, 2 story and basement, 110 x 240 ft., rein.-con., brick and steel, plain foundation, Fenton Rd.

Mich., Muskegon—School—St. Michaels Parish having plans prepared by H. L. Mead, Grand Rapids, 3 story and basement, 13 rooms and gymnasium, rein.-con., brick, stone and steel, plain foundation. $175,000.

Ill., Alton—City Hall—City plans rebuilding 3 story and basement, to replace one recently destroyed by fire. $215,000.

Ill., Alton—High School—Bd. Educ. having plans prepared by J. M. Pfeiffenberger, Alton, 2 story and basement, brick, stone and concrete. $200,000. Noted May 31, 1923.

Ill., Fairmount — Clubhouse — See "Unclassified."

Ill., Granite City—Y. M. C. A., Masonic Temple Bldg., having preliminary plans prepared, rein.-con., brick and stone. $300,000. Engineer and architect not selected.

Ill., Pekin—High School—Pekin Community High School, c/o H. J. Rust, pres., 717 Park Ave., rejected bids 2 story, 75 x 270 ft., and 150 x 260 ft., brick and concrete. Will readvertise. J. W. Royer, Flat Iron Bldg., archt.

Wis., Kenosha—Clubhouse—F. O. E. No. 1055, c/o A. Schmitz, pres., 657 Symmonds St., had plans prepared by C. O. Augustine, 1063 Howland Ave., and soon takes bids 2 story and basement, 72 x 100 ft., concrete and brick addition, plain foundation. $150,000.

Wis., Milwaukee—Apartment—I. Goldman, 512 Mitchell St., plans 8 story and basement, 95 x 127 ft., brick and concrete, plain foundation, Astor St. $500,000. Engineer and architect not selected.

Minn., Minneapolis—Club—Gymnoid Deled Club, 3549 Emerson Ave. S., L. Nathanson, pres., having plans prepared by Liebenberg & Kaplan, 617 McKnight Bldg., 3 story and basement, 54 x 165 ft., rein.-con., brick, tile and stone, 9th St. near 2nd Ave. S. $175,000.

Neb., Fremont—Library—Midland College c/o J. F. Krueger, plans library, 2 dormitories and administration buildings, $500,000. Davis & Wilson, 515 Security Mutual Bldg., archts.

Neb., Grand Island—High School—Bd. Educ. having plans prepared by Latschke & Baker, Ryan Bldg., Senior High School, 3 story and basement, E shaped, 270 ft. long, stone and concrete. $350,000.

Neb., Omaha—High School—Election in November to vote on $2,750,000 bonds, grade and high schools. Noted May 1.

Neb., Omaha — Office — Omaha World Herald having preliminary plans prepared by T. R. Kimball, 836 World Herald Bldg., 4 story and basement, 60 x 142 ft., rein.-con. and brick.

Neb., Omaha—Seminary—Mt. St. Marys Seminary, 15th and Castellar Sts., plans seminary, 72nd St. and Underwood Ave. $350,000. Engineer and architect not selected.

Neb., Omaha—Store and Apartment—J. A. Anderson plans store and apartment, 24th and Leavenworth Sts. $150,000.

Mo., Jefferson City—High School—Voted $400,000 bonds, new 3 story and basement high school, and improvements to grade schools. Noted Apr. 24.

Tex., Abilene—School—Election June 2, $150,000 bonds, schools. M. L. Sellers, city secy.

Tex., Dallas—Apartment—R. McDonald, Park Hotel, having plans prepared by Mia West Co., Southland Life Bldg., apartment, Hall and Oaklawn Sts. $150,000.

Tex., Dallas—Church—First Methodist Church Congregation, M. C. Cameron, chn. Building Com., 3800 Stratford, having plans prepared by R. H. Hunt Co., 1301 Southwestern Life Bldg., 2 story and basement, 160 x 232 ft., brick, steel and rein.-con., Ross & Harwood Sts. $50,000.

Tex., Dallas—Office—J. M. Dawson and associates, 605 Insurance Bldg., having plans prepared by Lang & Witchell, archts., 300 Amer. Exch. Natl. Bank Bldg., 14 story, 90 x 106 ft., rein.-con., concrete, stone, tile and brick, Wood and Browder Sts. $800,000.

Tex., Dalworth Park—School—International School of Industrial Arts, J. M. Scales, secy., Magnolia Bldg., Dallas, plans 12 concrete buildings. $500,000. Engineer and architect not announced.

Tex., Ft. Worth—Auditorium—Womans Club, Penn Ave., plans 3 story and basement, brick and concrete. $150,000. Engineer and architect not announced.

Tex., Madisonville — Lodge — Masonic Bodies plan 2 story and basement, brick $150,000. Engineer and architect not announced.

Tex., McAllen — College, etc. — Baptist Church, c/o Baylor University, Waco, plans 2 and 3 story, college, administration and dormitory buildings, rein.-con., brick and stone. $150,000 each. Engineer and architect to be announced soon.

Tex., Mineral Wells—Schools—Defeated $250,000 bonds schools. Noted May 1.

Tex., Port Neches—School—Bd. Educ. having plans prepared by R. H. Hunt & Co., Southwestern Life Bldg., Dallas, 3 story and basement, brick and concrete. $150,000.

Tex., San Antonio — College Library — Methodist Episcopal Church South, Nashville, Tenn., plans 2 story, brick or concrete, West Side, here. $150,000. Engineer and architect to be selected soon.

Tex., San Antonio—Dormitory—Methodist Episcopal Church South, Nashville, Tenn., plans 2 story and part basement, rein.-con., brick or stone, West Side, here. $250,000. Engineer and architect to be selected soon.

Tex., Wichita Falls—Club—Elks Lodge had plans prepared by C. J. Pate, City Natl. Bank, 3 story, 50 x 150 ft., brick and concrete. $150,000.

Okla., Oklahoma City—Hotel—Thompson Eros., 1004 Mid-Continent Bldg., having plans prepared by A. Olson, 202 Mid-Continent Bldg., 12 story, 60 x 140 ft., rein.-con. and steel, plain foundation, Grand St. $500,000.

Okla., Oklahoma City—Station and Office—St. Louis-San Francisco R.R. Co., St. Louis, Mo., having preliminary plans prepared 10 story and basement, 110 x 230 ft., brick, plain foundation, Hudson St.

Buildings (Continued)

here. $1,000,000. F. G. Jonah, Frisco Bldg., St. Louis, Mo., engr.

Calif., Anaheim — School — Anaheim Union High School Dist. defeated $200,000 bonds for school. Noted May 1.

Calif., Bell — Apartment, Store and Theatre—T. J. De Vaughn, Jones Bldg., Huntington Park (branch of Los Angeles), having plans prepared by J. T. Zeller, Currier Bldg., Los Angeles, 2 story and basement, 120 x 215 ft., brick, here. $150,000.

Calif., Los Angeles—Hotel—F. Horowitz, et al., c/o R. M. Bates, Jr., archt., Brack-Shops Bldg., having plans prepared 4 story and basement, 50 x 180 ft., brick, Alvarado St. $165,000.

Calif., Los Angeles—Hotel and Store—Syndicate composed of M. Pickford, et al., c/o K. Macdonald, Jr., archt., Brack-Shops Bldg., having plans prepared 12 story and basement, brick, concrete and steel, Hollywood Blvd. $1,000,000.

Calif., Los Angeles — Hotel and Store — J. P. Widney, 3901 Marmion Way, having plans prepared by Morgan, Walls & Clements, Van Nuys Bldg., 3 story and basement, 50 x 125 ft., brick and steel.

Calif., Oakland — Courthouse — Alameda Co. defeated $4,500,000 bonds for courthouse. Noted Apr. 10.

Calif., Oakland—Hospital—Alameda Co. voted $1,800,000 bonds completing Highlands hospital. G. E. Gross, clk. Bd. Supervs. H. H. Meyers, Kohl Bldg., San Francisco, archt. Noted Apr. 10.

Calif., San Bernardino—Courthouse—San Bernardino Co. defeated $850,000 bonds for courthouse. Noted Mar. 27.

Calif., San Diego—High School—Bd. Educ. had plans prepared by T. C. Kistner & Co., 537 Spreckels Bldg., 2 story, 195 x 300 ft., brick, El Cajon Ave. $250,000.

Calif., San Pedro—Warehouses—Petroleum Export Corp., Pacific Electric Bldg., Los Angeles, having plans prepared six 6 story, 100 x 300 ft., rein.-con. warehouses, here. Private plans.

Calif., Santa Monica—City Hall—Plans election to vote on from $400,000 to $500,000 bonds for city hall.

Calif., Santa Monica — School — Santa Monica City School Dist. having plans prepared by F. D. Rutherford, Mills-Fraser Bldg., fireproof, to contain 24 rooms. $150,000 or more.

Que., Montreal—Hall—J. F. D'Aray, St. James St., plans 10 story, concert hall, bachelor quarters, city club rooms, etc., Mountain St. $1,100,000. Engineer and architect not selected.

Ont., Toronto—College—St. Hildas College, D. Seager, provost, Trinity College, plans 3 story and basement, rein.-con., brick and steel, plain foundation. $300,000. Engineer and architect not selected.

BIDS DESIRED

Mass., Arlington—School—St. Agnes Roman Catholic Church, Bedford and Chestnut Sts., taking bids and opens same about June 1, 2 story, 82 x 144 ft., rein.-con. and brick. $175,000. Maginnis & Walsh, 100 Boylston St., Boston, archts.

Mass., Worcester—Hospital—I. O. O. F. Grand Lodge of Massachusetts, taking bids for hospital, Randolph St. $150,000. W. C. Collette, 1080 Boylston St., Boston, archt.

N. Y., Brooklyn—Municipal—June 14, by E. Riegelmann, boro pres., Boro Hall, 10 to 12 story, brick and steel, plain foundation, Court and Joralemon Sts., $6,000,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York, archts. and engrs. Noted Jan. 3.

N. Y., Greigsville—School—June 16, by Bd. Educ. Union Free School Dist. 7, York and Leicester towns, Livingston Co., at office of Principal, Greigsville, constructing annex to present school. F. S. Whitney, clk.; adv. E. N.-R. May 22.

N. Y., Hudson Falls—Store and Apartment—May 26, by Hudson Falls Realty Co., 4 story, 40 x 110 ft., brick and steel, plain foundation, Main St., for Park Pl. Co., Inc. C. D. McCall, Masonic Bldg., archt. and engr.

N. Y., Mt. Pleasant—Hospital—June 2, by F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, White Plains, Grasslands Hospital, here. Walker & Gillette, 128 East 37th St., New York City, archts.; adv. E. N.-R. May 22.

N. Y., New York—Apartment—S. Lipman, c/o C. B. Myers, archt. and engrs., 31 Union Sq., will build 6 story, brick, steel and stone, plain foundation, Hudson St. Work will be done by separate contract with owner supervising. $350,000.

N. Y., New York—School—June 10, by W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 19, Katonah Ave., Bronx Boro., for Bd. Educ., 500 Park Ave.

N. J., Asbury Park—High School—June 18, by Bd. Educ., high school. $1,000,000. E. A. Arend, Kinmonth Bldg., archt. Noted Apr. 24.

N. J., Atlantic City—Clubhouse—May 31, by V. B. Smith, archt., Guarantee Trust Bldg., 4 and 5 story, 75 x 150 ft., brick and steel, concrete pile foundation, South Virginia Ave., for Elks Lodge 276. Noted Feb. 7.

N. J., Newark—School—June 9, by Bd. Educ., Essex Co. Vocational Schools, 475 High St., Newark, vocational school, University Pl. between Myrtle and Columbia Aves., here. Guilbert & Betelle, Chamber Commerce, Newark, archts.; adv. E. N.-R. May 22.

D. C., Wash.—School—May 27, by Dist. Comrs., addition to Janney School, Albermarle St. between 41st and 42nd Sts. $160,000.

Pa., Allentown—Exchange—May 27, by J. I. Windrim, archt., Commonwealth Bldg., Phila., 3 story and basement, 91 x 117 ft., brick and stone, plain foundation Hall and Chestnut Sts., here, for Bell Telephone Co., 17th and Parkway Sts., Phila. $300,000.

Pa., Clymer—Church—May 31, by St. Anthonys Roman Catholic Church, J. J. Creshner, pastor, 2 story and basement, 42 x 112 ft., trick, plain foundation, Morris St. $150,000. W. V. Justus & Co., Clearfield, archts.

Pa., Hazelton—Church—May 23, by P. B. Sheridan, and P. H. Knoblock, archts., Markle Bank Bldg., 1 story, basement and tower, 67 x 160 ft., steel and granite, plain foundation, for St. Gabriels Roman Catholic Congregation. $400,000. J. S. Fagan, pastor.

Miss., Meridian—Schools—May 22, by Bd. Educ., new Junior High School, and remodeling other school buildings. H. M. Ivy, secy. Noted Apr. 3.

Ky., Ashland — Station — Chesapeake & Ohio R.R. Co., 823 East Main St., Richmond, Va., taking bids and opens same about May 26, passenger station. $150,000. F. Q. Cabell, ch. engr. Noted Oct. 11.

O., Cleveland—Clubhouse—M. C. Rousseau, archt., Buckley Bldg., taking bids altering and constructing 2 story, brick and steel, 2612 Prospect Ave., for Knights of Columbus, c/o W. J. Birmingham, chn. building com., 1119 Superior Ave. $150,000.

O., Columbus—Engineering—June 2, by C. Steeb, secy. Bd. Trustees Ohio State University, 2 story, 60 x 120 ft., rein.-con., brick and steel, on campus. $175,000.

O., Mansfield—Bank and Office—June 5, by Althouse & Jones, archts., taking bids 10 story, brick, steel and concrete, for Citizens Natl. Bank. $350,000.

Wis., Burlington — School — June 10, by School Bd., N. E. Karcher, clk., 2 story and basement, brick, tile and concrete plain foundation. $200,000. Oppenhamer & Obel, Bellin Bldg., Green Bay, archts. Noted Mar. 27.

Wis., Milwaukee — Apartment — May 26, by M. Tullgren & Sons, archt., 425 East Water St., 3 story and basement, 60 x 90 ft., brick, tile and concrete, plain foundation, Pleasant St., for E. F. Martin, 492 11th Ave. $150,000.

Kan., Kansas City—Church—June 2, by C. E. Keyser, archt., 421 Portsmouth Bldg., auditorium, balcony and basement, 96 x 123 ft., rein.-con. and native stone, 7th and Washington Sts., for Methodist Episcopal Church. $150,000.

Ark., Pine Bluff—High School—June 5, by H. B. Strange, secy. Bd. Educ., Citizens Bank Bldg., 2 story and basement, rein.-con. and brick, M. Sellibman, Citizens Bank Bldg., archt.

Mo., Caruthersville—Court House—June 3, by Pemiscot Co., c/o F. Baird, co. clk., 3 story, rein.-con., brick and stone. H. H. Hohenschild, 401 Odd Fellows Bldg., St Louis, archt. Noted Nov. 15.

Mo., Caruthersville—High School—June 3, by Caruthersville School Dist. 18, 2 story and basement, 75 x 145 ft., concrete, brick and stone. $150,000. H. H. Hohenschild, 401 Odd Fellows Bldg., St. Louis, archt. Noted Jan. 10.

Tex., Dallas—Auditorium—July 1, by R. H. Hunt & Co., archts., Southwestern Life Bldg., brick and concrete, on campus, for Southern Methodist University., $300,000.

Colo., Denver—Store—June 5, by Fisher & Fisher, archts., U. S. Natl. Bank Bldg., 6 story, 76 x 125 ft., rein.-con. and terra cotta, Champa and 16th Sts., for May Co. Department Store. $1,000,000.

Ore., Astoria — Store and Office — Clark Kendall & Co., 5th and Stark Sts., (representing owner), taking bids 6 story, 100 x 200 ft., rein.-con. and terra cotta, Commercial, Duane and 12th Sts. $300,000. Bennis & Herzog, Chamber of Commerce Bldg., archts. and engrs.

Ore., Eugene—Apartment—I. T. Wulfe, archt. and engr., 216 Ry. Exch. Bldg., Portland, taking bids 4 story and basement, 52 x 100 ft., rein.-con. and stucco, plain foundation, Willamette St., here, for H. W. Taylor, Eugene. $150,000.

Calif., Huntington Park (branch of Los Angeles)—Store and Hotel—J. F. McSwain, 119 East Bellgrave St., taking bids 3 story and basement, 60 x 100 ft., brick, Zoe Ave.

Calif., Stockton — Auditorium — City Council, A. L. Banks, clk., taking bids and opens same about June 23, 400 to 500 tons steel, also general contract, etc., for auditorium. $450,000 total cost. Noted Apr. 10.

Que., Montreal — School — May 26, by Catholic School Comrs., St. Ambroise School, De Normanville St. J. O. Marchand, 294 St. Catharine St. E., archt.

BIDS RECEIVED

N. Y., New York—High School—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, May 13, addition to High School of Commerce, West 65th St. and Amsterdam Ave., here, from Stevenson & Cameron, Inc., 35-37 West 25th St., $930,627. Noted Apr. 24.

N. Y., New York—Market—E. J. O'Malley, comr. Pub. Markets, Municipal Bldg., May 14, wholesale market and storage building, Exterior and East 152nd Sts., for Bronx Terminal Market, from Niewenhouse Co., Inc., 316 East 161st., $2,841,986. Noted Apr. 17.

La., New Orleans — School — Orleans Parish School Bd., City Hall, constructing McDonough School 28, 3 story, 65 x 116 ft. Esplanade and White Sts., from J. V. and R. T. Burkes Co., Carondelet Bldg., $249,000. Noted Apr. 24.

Ky., Dayton—High School—Bd. Educ., new high school, from J. R. Stevens Co., 106 Odd Fellows Bldg., Cincinnati, O., $150,000. Noted Mar. 31.

O., Londonville—High School—L. Kipling, clk. Bd. Educ. May 8, 2 story and basement, 116 x 135 ft., rein.-con. and brick, from Zecher & Miller, Sandusky, $115,200. Noted Mar. 6.

Mich., Quinnesec — Schools — Bd. Educ., two 2 story and basement, brick and tile, plain foundation, from G. A. Gustafson Co., Iron Mountain, $311,500.

Wis., Shorewood (Milwaukee P. O.)—High School—School Dist. 4, 2 story and basement, 95 x 180 ft. (1st unit) brick, tile and concrete, plain foundation, Oakland Ave., general contract from Paul Riesens Sons, 1012 Humboldt Ave., Milwaukee, $170,266. Noted May 1.

Minn., Minneapolis—Hospital—State Bd. Control, St. Paul, May 16, 3 story and basement, and sub-basement, rein.-con., brick and tile, State U, from L. Fleisher Co., 505 Plymouth Bldg., $274,697. Noted Apr. 26.

Calif., Los Angeles—High School—Bd. Educ., Foshay Junior High School, 1, 2 and 3 story and basement, brick, general contract, from North Pacific Constr. Co., Detwiler Bldg., $243,225. Noted Apr. 21.

CONTRACTS AWARDED

N. H., Portsmouth—Bank—Natl. Bank, additions to bank, to E. A. Abbott & Co., 3 Park St., Boston. Cost plus basis. (Archt. est. $150,000.)

Mass., Boston—Mercantile—Teleston Estate, c/o J. F. Cullen, archt., 10 Bosworth Ave., 4 story, 75 x 200 ft., rein.-con. and steel, 604 Atlantic Ave., to Semple & Clark, 44 Bromfield St.

Mass., Boston—Office and Store—School St. Trust, c/o T. M. James, archt., 3 Park St., 11 story, 85 x 102 ft., rein.-con. and marble, School St., to W. A. and H. A. Root, Park Sq. Bldg. Archts. est. $1,000,000.

Mass., Northampton—Hospital—Comn. of Massachusetts Dept. Mental Diseases, State House, Boston, 2 ward buildings, rein.-con. and brick, here, to Morrissey-Stowell Co., 137 State St., Springfield. $184,571.

Mass., Roxbury (Boston, P. O.)—High School—School House Dept., City Hall, Boston, brick and stone, Warren, Townsend and Harrishof Sts., to T. O'Connor & Co., 218 Main St., Cambridge. $1,437,130. Noted Mar. 6.

Conn., Stamford—Store and Office—F. B. Gurley, 135 Atlantic Ave., 8 story and

Buildings (Continued)

basement, 35 x 108 ft., brick and stone, Main and Atlantic Sts., to C. M. Cruickshank, 14 East 42nd St., New York City. Archts. est. $350,000.

N. Y., Bronxville—Apartment—Syndicate headed by A. W. Lawrence, c/o Walker & Gillette, archts., 128 East 37th St., brick, steel and stone, plain foundation, Millburn St. and Parkway Rd., to Hegeman-Harris Co., 185 Madison Ave. Archts. est. $500,000.

N. Y., Buffalo—School—Bd. Educ., 1400 Telephone Bldg., P. S. 71, 2 story and basement, 190 x 215 ft., rein.-con. and brick, Lang Ave., to G. Schaaf, 258 Kingsley St., $389,000. Noted Apr. 10.

N. Y., Fort Edward—School—Bd. Educ., general contract 3 story, 80 x 120 ft., brick and steel, plain foundation, to W. Donivan, Dolgeville, $140,645. Noted May 8.

N. J., Asyla (Grenloch P. O.)—Hospital—Camden Co., Camden, general contract for group of buildings for tuberculosis hospital, here, to Sinclair & Griggs, Medical Arts Bldg., Phila., $1,012,000; plumbing and drainage, to N. Connelly, 1404 North 18th St., Phila., $93,776; heating and ventilating, to Camden Heating Co., 8 Market St., Camden, $64,750; concrete tunnel, to J. D. Jacques, 79 Euclid Ave., Woodbury, N. J., $45,409. Noted May 15.

N. J., Dover—Theatre and Store—H. Baker and R. F. Woodhall, Dover, brick, steel and stone, plain foundation, to E. M. Waldron, 27 Central Ave., Newark. Archts. est. $150,000.

N. J., Newark—Hospital—Essex Co., 3 story, 50 x 450 ft. and 2 story, 80 x 450 ft., brick, steel and stone, plain foundation, Overbrook St., to James Mitchell, Inc., Bergen Ave., Jersey City, $709,254; heating and ventilating, to Stewart & Farrell, 269 Camden St., $87,742. Noted Apr. 19.

N. J., Secaucus (branch of Weehawken)—Asylum—Hudson Co., (Jersey City), brick, steel and stone, plain foundation, here, to W. H. and F. W. Cane Co., 10 Journal Sq., Jersey City, $3,367,111.

Pa., Harrisburg—High School—General contract 1, 2 and 3 story, H shaped, stone and brick, plain foundation, on 420 x 500 ft. plot, 6th and Division Sts., to S. W. Shoemaker & Son, Commonwealth Trust Bldg., $577,876.

Pa., Jersey Shore—School—Jersey Shore Bd. Educ., Main and Walnut Sts., general contract 3 story and basement, 110 x 120 ft., brick and steel, Allegheny St., to C. M. Thompson & Co., Towanda, $154,865, work must be done within one year. Noted Apr. 24.

Pa., Mt. Carmel—School—Our Mother of Consolation, 2½ story and basement, 62 x 150 ft. brick and stone, plain foundation, to E. R. Bastress & Co., Mt. Carmel, $200,000. Noted Mar. 20.

Pa., Phila.—Hospital Buildings, etc.—W. Krusen, dir. Pub. Health, 584 City Hall, to F. W. Mark Constr. Co., Commercial Bldg., general construction of buildings, dormitories, extensions and alterations to power house, at Phila. Hospital for Insane at Byberry, 35th Ward, $572,650, landscape work, $91,850, building connecting corridors, extending dining room and kitchen, also power house at Phila. Institute for Feeble Minded at Byberry, 25th Ward, $1,111,864; to N. Connelly, 1404 North 18th St., plumbing in 4 cottages for Institute for Feeble Minded $56,444, and plumbing in 2 dormitories at Insane Hospital $36,988; to Mechanical Equipment Co., 214 South 12th St., heating and mechanical equipment in cottages $224,893 and dormitories $145,051; to W. V. Pangbourne & Co., 1927 West Montgomery St., electric work in cottages $77,980 and in dormitories $27,000. Noted May 15.

Pa., Windber—School, etc.—School Bd., general contract 2 story and basement, 56 x 162 ft. and 66 x 87 ft., school and gymnasium, brick and stone, to Wilson Constr. Co., Trust Bldg., Johnstown. Archts. est. $150,000. Noted Mar. 27.

W. Va., Clarksburg—Church—Church of Immaculate Conception, 65 x 160 ft., Maple Ave. and West Pike Sts., to E. A. Wehr, Highland Bldg., Pittsburgh, Pa., $250,000. Noted Apr. 17.

Ala., Birmingham—Office—Bankers Mortgage-Bond Co., 10 story, 75 x 120 ft., rein.-con., brick and terra cotta, 3rd Ave. and 21st St., to Smallman-Brice Constr. Co., 1115 Ave. E, $500,000.

Ala., Tuscaloosa—School—City, 1 story, 12 room, brick and stone, 10th St., to E. Cline, Amer. Trust Bldg., Birmingham, $150,000.

Ky., Dayton—High School—Bd. Educ. school building, to J. R. Stevens Co., Odd Fellows Bldg., Cincinnati, O. Archts. est. $150,000. Noted Mar. 31.

O., Cleveland—Apartment—C. A. Hansen, 1865 East 71st St., 3 story and basement, brick, 1903 East 70th St., to L. Duchon, 515 Ulmer Bldg. Archts. est. $300,000. Noted Sept. 13.

O., Elyria—Station—New York Central R.R., West 3rd St. and St. Clair Ave., Cleveland, 2 story, brick, steel and concrete, here, to Walsh Constr. Co., 19 South La Salle St., Chicago. Archts. est. $300,000. Noted Apr. 3.

O., Springfield—Temple—Masonic Temple Assn., 3 story, rein.-con., brick and stone, plain foundation, High St., to H. R. Blagg Co., 1229 East 3rd St., Dayton, $401,979. Noted Apr. 10.

O., Zanesville—Warehouse—Mosaic Tile Co., 4 story, 80 x 140 ft., fireproof, to R. H. Evans Co., Naghten St., Columbus, $115,000. Noted May 8.

Ind., Indianapolis—Office—Reserve Loan Life Insurance Co., 419 North Pennsylvania Ave., 4 story, 68 x 195 ft., concrete, stone, brick and steel, 431 North Pennsylvania St., to W. P. Jungclaus Co., 825 Massachusetts Ave. Archts. est. $250,000. Noted Mar. 20.

Ind., South Bend—Dormitory—Sisters of Holy Cross, 4 story and basement, 150 x 350 ft., rein.-con., brick and steel, to H. G. Christian Co., 305 South Notre Dame Ave. Archt. est. $900,000.

Mich., Caro—School—Bd. Educ. 2 story and basement, brick, steel and rein.-con., plain foundation, general contract to Miller-Uhlman Co., Bay City, $150,000. Noted Feb. 21.

Mich., Detroit—Hotel—L. W. Tuller, Tuller Hotel, 13 story and basement, 60 x 110 ft., rein.-con., brick and steel, plain foundation, Montcalm St. and Park Ave., to O. Misch Co., 159 East Columbia St. Archts. est. $1,150,000. Noted Sept. 6.

Mich., Highland Park—School—Bd. Educ., 2 story and basement, 120 x 200 ft., brick, steel and rein.-con., plain foundation, 2nd Ave., to F. H. Goddard, 2130 Franklin St., Detroit, $275,000. Noted Apr. 24.

Wis., Superior—Hotel—Citizens Hotel Co., general contract, 6 story and basement, 100 x 121 ft., concrete, brick and steel, concrete pile foundation, to Fleisher Constr. Co., 1000 Builders Exchange, Minneapolis, Minn., $256,000. Noted Nov. 8.

Minn., Hibbing—School—School Bd. general contract for 2 story and basement, 102 x 178 ft., rein.-con. and brick, concrete pile foundation, Brooklyn St., to Dohm Constr. Co., Hibbing, $128,000. Total $150,000

Minn., St. Paul—School—Dept. Educ., City Hall, Apr. 29, 3 story and basement, 160 x 200 ft., rein.-con., brick and steel, Albert St., and Parcal Ave., general contract to P. A. Swenson & Co., 340 Endicott Bldg. $278,795. Noted May 8.

Colo., Denver—Grade School—School Dist., general contract 2 story, 116 x 190 ft., 11th Ave. between Bryant and Decatur Sts., to L. C. Pakiser, 4545 Thompson Court, $107,381.

Calif., Inglewood—Theatre and Store—A. Bennett, 75 x 150 ft., brick and steel, to Genl. Constr. Co., 203 East Harvard St., Glendale. Noted Jan. 3.

Calif., Los Angeles—Garage—Westlake Fireproof Garage Co., c/o Norenberg & Johnson, archts., Railway Bldg., will build 6 story and basement, 55 x 150 ft., rein.-con., Westlake Ave., by day labor. Noted Apr. 3.

Calif., Los Angeles—Hotel and Store—S. Monteleone, Security Bldg., will build 4 story and basement, 34 x 150 ft., brick, Santee and 9th Sts., by day labor.

Calif., Oakland—Warehouse, etc.—Alaska Packers Assn., Wells Fargo Bldg., San Francisco, superstructure for 160 x 700 ft. warehouse, etc., timber and corrugated iron for terminal building, here, to H. J. Christensen, 17th St. and Telegraph Ave. Noted May 8 under "Unclassified."

Calif., Oak Park (Sacramento P. O.)—Theatre, Store and Office—M. T. Jorgensen, archt., 110 Sutter St., San Francisco, brick, here, to McGillivray Constr. Co., Folsom Blvd. and 56th St., Sacramento, $150,000. Owner's name withheld. Noted May 15.

Calif., San Francisco—Store and Office—United Holding Co., c/o W. A. Stephen, archt., 351 Kearny St., 4 story and basement, rein.-con., Mission and Julia Sts., to J. L. McLaughlin, 251 Kearny St., $175,000. Noted May 15.

Que., Cartierville—Home—Sisters of Home for Incurables, 5 story, 52 x 1,600 ft., rein.-con and brick, Gouin Blvd., to A. Boileau, Granier St., Montreal, $2,500,000. Noted May 15.

Que., Montreal—Bank—City and District Savings Bank, St. James St., 5 story, 65 x 176 ft., rein.-con., brick, steel and stone addition, Notre Dame St., to A. Quinlan & Co., 1165 Greene Ave., $150,000. Noted Apr. 24.

Que., Montreal—Church—Parish of St. Madeleine, Outremont, 65 x 220 ft., 187 ft. high, rein.-con. and steel, general contract to A. and D. Boileau, 245 McDougall St., $200,000, steel structure to Dominion Bridge Co., Lachine.

Que., Montreal—Church—St. Francois of Solano, 469 Jeanne D'Arc Ave., 2 story, 74 x 182 ft., rein.-con., brick and stone, Dandurand St., to J. J. Brodeur, 14 Cherrier St., $150,000. Noted Feb. 28.

Que., Montreal—Church—St. Margaret Mary Parish, 478 Papineau Ave., 1 story, 91 x 224 ft., rein.-con. and stone, Ontario St. E., to A. and D. Boileau, 245 McDougall Ave., $250,000.

Que., Outremont—Convent—Community Holy Name of Jesus and Mary, 5 story, 55 x 1,500 ft., rein.-con., stone, brick and granite, Courcellette and Maplewood Aves., to A. Boileau, Granier St., Montreal, $600,000. Noted May 8.

Alaska, Ketchikan—Hotel—C. Ingersoll, Ketchikan, 5 story, 95 x 100 ft. rein.-con., to J. B. Warrack Constr. Co., 1428 North 34th St., Seattle, Wash. Archts. est. $500,000.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Floor—Spec. 4978—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans new floor in Naval Hospital.

Pa., Hog Island—Compass Station—Spec. 4976—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans repairs to compass station.

Ky., Uniontown—Steel—U. S. Engineer plans to purchase 247 tons structural steel for Dams 49 and 50, Ohio River.

Kan., Leavenworth—Shops and Warehouse—Treas. Dept. U. S. Penitentiary plans 2 story and basement, 50 x 150 ft., concrete and brick shops and warehouse.

Neb., Omaha—Bank—U. S. Treas. Dept., Kansas City, Mo., plans 6 story and basement, 66 x 132 ft., brick and steel, 17th and Dodge Sts.

Calif., Mare Island—Ward—Spec. 4979—Bureau of Yards & Docks, Navy Dept., Wash., D. C., plans pyschiatic ward here.

Cuba, Guantanamo—Steel Water Tank—Spec. 4977—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans steel water tank.

H. T., Pearl Harbor—Storehouse—Spec. 4975—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans storehouse and ammunition filling house.

BIDS DESIRED

N. Y., Dunkirk—Breakwater—June 16, by U. S. Engineer Office, Buffalo, N. Y., stone superstructure on breakwater, harbor, here; adv. E. N.-R. May 22.

Pa., Dubois—Post Office—June 12, by Treas. Dept. at office J. A. Wetmore, Superv. Archt., Wash., D. C., 60 x 95 ft., concrete and brick post office, here; adv. E. N.-R. May 22.

Pa., Phila.—Tower—June 12, by Supt. Lighthouses, Phila., furnishing metal work for c.i. tower for Harbor of Refuge; adv. E. N.-R. May 22.

Pa., Pittsburgh—Dump Scows—June 18, by U. S. Engineer, furnishing 2 steel dump scows; adv. E. N.-R. May 22.

Md., Annapolis—Tube Building—Spec. 4973—May 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., tube transmitter building.

Md., Salisbury—Post Office—June 17, at office Supervising Architect, Treas. Dept., Wash., D. C., post office, here.

Fla., Jacksonville—Dredging, etc.—June 10, by U. S. Engineer Office, War Dept., Wash., D. C., dredging 34,000 cu.yd. soft material and 15,000 cu.yd. rock at Bocaceiga Bay, and constructing jetty at St. Petersburg.

Fla., St. Petersburg—Jetty—See "Dredging in Jacksonville, Fla."

Ky., Owensboro—Buckets—U. S. Engineer, P. O. Box 72, Louisville, taking bids and opens same about May 26, one ¾ yd. standard dredging type and one 1 cu.yd. rehandling type clam shell buckets, f.o.b. Owensboro.

Ill., Chicago—Derrick Boat—June 5, by U. S. Engineer Office, War Dept., Wash., D. C., one 8 x 33 x 120 ft. steel derrick boat.

Ill., Chicago—Steel Barge—June 2, by U. S. Engineer Office, War Dept., Wash., D. C., one 5 x 26 x 80 ft. steel barge.

BIDS RECEIVED

N. J., Woodbury—Post Office—Treas. Dept. at office Supervising Architect, Wash., D. C., post office here from E. Zimmerli, State College, $46,400 and $6,500 for limestone cornice or $3,600 for terra cotta. Noted Apr. 24.

Ky., Louisville—Pumps—U. S. Engineer, P. O. Box 72, three 15 in. rope driven, centrifugal water pumps, from Farrar Pump & Mchy. Co., 406 Market St., St. Louis, Mo., $1,725. Noted May 1.

Ky., Owensboro—Rip-rap Stone—U. S. Engineer, P. O. Box 72, Louisville, furnishing 2,500 tons rip rap stone for Dam 46.

Federal Government Work (Continued)

Ohio River, from Webster Stone Co., Irvington, $1.92 per ton. Noted May 1.

CONTRACTS AWARDED

Del., Wilmington — Excavating — U. S. Engineer, excavating in inland waterway from Delaware River to Chesapeake Bay, to Arundel Corp., Pier 2, Pratt St., Baltimore, Md., $230,000. Noted Mar. 20.

Ala., Florence — Turbines — U. S. Engineer, Florence, 4 hydraulic turbines for Wilson Dam, to Newport News Shipbuilding & Dry Dock Co., Newport News, Va., $415,400. Noted Mar. 27.

O., Sandusky—Dredging—U. S. Engineers Office, Buffalo, N. Y., dredging in Sandusky Harbor, to Great Lakes Dock & Dredge Co., Williamson Bldg., Cleveland, $252,000. Noted Apr. 24.

Mich., Detroit—Derrick Boat—U. S. Engineer, Detroit, steel derrick boat to Marine Iron Shipbuilding Co., 11th Ave. W., Duluth, Minn., $47,720. Noted Apr. 17.

Wash., Puget Sound — Magazine — Bureau Yards & Docks, Navy Dept., Wash., D. C., subsurface magazine at Navy Yard, to Parker & Wood, Bremerton, $4,725 (60 days). Noted Mar. 27.

Unclassified

PROPOSED WORK

Lighting System—Boston, Mass.—Plans installing new lighting system in South End Dist., incl. entire length of Shawmut Ave.

Playgrounds — Boston, Mass. — Park Comrs., 33 Beacon St., plan playground for Jefferson School, Roxbury, $85,000, and extension and improvements in William Eustis Playground, $100,000.

Coal Handling Plant—Salem, Mass.—Salem Terminal Corp., plans to fill in and construct 400,000 sq.ft. sea wall, wharf, bridge, etc., at Philips Wharf. C. H. Tenny & Co., 200 Devonshire St., Boston, engrs.

Underpass — Wilbraham, Mass. — State Hy. Dept., Boston, plans underpass under railroad, here, $110,000.

Parks, etc.—Buffalo, N. Y.—City plans developing parks and playgrounds, incl. sewers, irrigation, steel foot bridge, concrete walks, concrete swimming pool, wading pool, etc. $183,000. J. Meahl, City Hall, comr.

Bulkheads, etc.—Spring Lake, N. J.—Boro plans bulkheads, jetties and placing back fill for protection of beach front from Union to South Aves., also at Monroe Ave. $60,000 with State aid. Engineer not selected.

Ball Park Stands — Phila., Pa. — Amer. League Baseball Club of Phila., 21st and Lehigh Sts., making plans double decking with steel, right and left pavilions and north bleachers. $350,000. P. M. Sax, Penfield Bldg., engr.

Park Improvements, etc.—Lake Wales, Fla. — Election June 2, $195,000 bonds: $50,000 for park improvements, $25,000 Crystal Park improvements, $15,000 athletic field, $55,000 golf course, $50,000 floating debt.

Supply Base—New Orleans, La.—Bd. Port Comrs., 200 New Courthouse Bldg., takes bids about June 1, 400 ft. addition to old army supply base, Poland St., $375,000.

Transmission Line—Tennessee—Tennessee Electric Power Co., Hamilton Natl. Bank Bldg., Chattanooga, plans 3 mi., 110,000 volt transmission line from Ridgedale to Georgia state line connecting with Georgia Power Co., also transformers, stations, towers, etc. $100,000.

Park Improvements—Cleveland, O.—City plans improvements to Gordon Park, incl. repairs to bathhouse, bridge, walks, diving platform, pier, new shelter house and removing submerged rocks. S. Newman, City Hall, engr.

Underground Cable—New Philadelphia, O.—See "Buildings."

Race Track, etc.—Fairmount, Ill.—Fairmount Jockey Club, c/o P. Cohn, East St. Louis, plans 1 mi. race track, concrete and steel grandstand to seat 15,000, also club house, stables, etc. From $500,000 to $750,000.

Electrical Distribution—Mountain Grove, Mo.—Had plans prepared 50 mi. electrical distribution system, incl. 500-800 hp. power plant. $125,000. Alexander Eng. Co., Springfield, engr.

Subway—Nevada, Mo.—City making preliminary plans concrete subway under tracks Missouri Kansas Texas and Missouri Pacific rails on Walnut St. Railroads and city to share cost. $225,000. Private plans.

Underpass — Dallas, Tex. — "Streets and Roads."

Stadium — Fort Worth, Tex. — Texas Christian University plans concrete and steel stadium, 25,000 capacity. $250,000. E. M. Waites, pres. Engineer and arcnitect not selected.

Dock Sheds — Houston, Tex. — Houston Navigation Dist. plans 3 concrete dock sheds, one 460 ft. other two 480 ft. long. $100,000. E. A. Tucker, Court House, engr.

Stadium—Denver, Colo.—Plans athletic stadium, probably at city park. $600,000. W. N. Blayney, 1729 Arapahoe St., chn. Stadium Com. Architect not selected.

Wharves, etc. — Sacramento, Calif. — Southern Pacific R.R. Co., 65 Market St., San Francisco, having plans prepared rebuilding wharves and docks, recently destroyed by fire, here. $250,000. G. W. Boschke, ch. engr.

Subway—Stockton, Calif.—Plans election to vote on $100,000 bonds for subway. W. B. Hogan, city engr.

Fire Alarm System, etc.—Stockton, Calif.—Plans election to vote on $346,000 bonds, fire alarm system and equipment. W. B. Hogan, city engr.

Park Improvements, etc.—Stockton, Calif.—Plans election to vote on $137,900 bonds, purchase of additional sites, and improve for park and recreation centers. W. B. Hogan, city engr.

Amusement Pier, etc.—Venice, Calif.—Electric Pier & Amusement Co., Merritt Bldg., Los Angeles, having plans prepared by O. D. Clark, Chapman Bldg., Los Angeles, 700 x 1,200 ft., frame and concrete pier, and 200 x 600 ft. swimming pool, here. To exceed $750,000.

BIDS DESIRED

Waterproofing Track Floors—Brooklyn, N. Y. — May 29, by Transit Comn., 49 Lafayette Ave., New York, reconstructing waterproofing of track floors at stations of Route 39, Sect. 2, Brooklyn Boro, Agreement "CZ."

Heating and Ventilating Apparatus — Brooklyn, N. Y.—May 28, by W. H. Gompert, supt. school buildings, Flatbush Ext. and Concord St., heating and ventilating apparatus in addition to Erasmus Hall High School, Bedford Ave. Noted May 15.

Steel — New York, N. Y. — June 2, by Transit Comn., 49 Lafayette St., furnishing and erecting structural steel for inspection shed at 239th St. yard, Bronx Boro.

Heating System—Ogdensburg, N. Y.—May 28, by State Hospital Comn., Albany, heating work, additions and alterations to heating system incl. additional boiler capacity, at St. Lawrence State Hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. May 22.

Fire Protection System—Saratoga Springs, N. Y.—See "Industrial Works."

Heating and Ventilating—Baltimore, Md.—May 28, by Bd. Awards, heating and ventilating in Gwynns Falls Park Junior High School. $50,000. H. G. Perring, Hearst Tower, superv. engr. Pub. Impvt. Comn. Noted May 15 under "Buildings."

Stadium — Louisville, Ky. — Du Pont Manual Training High School taking bids and opens same about June 15, stadium on Eastern Parkway. $65,000 to $75,000. Noted Dec. 1.

Athletic Field—Milwaukee, Wis.—May 29, by F. M. Harbach, secy. School Bd., 10th and Prairie Sts., grading, building running tracks, etc., for South Division High School. $40,000.

Grandstand—West Allis, Wis.—June 2, by J. D. Jones, comr. State Dept. of Agriculture, Madison, rein.-con. addition to grandstand, seating capacity 12,000, at State Fair Park, here, $100,000. A. Peabody, Madison, engr. Noted Apr. 10.

BIDS RECEIVED

Bleachers, Concrete Wall, etc.—Boston, Mass. — City, erecting concrete bleachers and grading Barry playground in Charlestown, also concrete wall and grading Cherry St. playground, South End, from J. C. Coleman & Sons Co., 1620 Tremont St., Roxbury (Boston P. O.), $21,748 and $3,300 respectively.

Tunnel—Seattle, Wash.—Bd. Pub. Wks., May 9, completing 1st Ave. S. tunnel under Duwamish River, from J. L. Smith, Pioneer Bldg., driving tunnel 356 ft. $560, lining tunnel 539 cu.yd. $60, grout 50 cu.yd. $30, 20 cu.yd. concrete block $50, 3 m. planking $60, total $235,025. Noted Mar. 20.

CONTRACTS AWARDED

Heating and Ventilating Apparatus — New York—Bd. Educ., 500 Park Ave., New York City, heating and ventilating apparatus, etc., in masters house, dormitory buildings, infirmary, power house, etc., for Parental School on westerly side of road between Flushing and Jamaica, about 1,700 ft. south of North Hempstead Turnpike, Flushing, to Austin Eng. Co., 121 West 42nd St., New York City, $64,378. Noted May 15.

Heating and Ventilating Apparatus — Brooklyn, N. Y. — Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 202, Hegeman Ave., here, to Raisler Heating Co., 129 Amsterdam Ave., New York, $136,525; in P. S. 206, Ave. V, here, to Alvord & Swift, Grand Central Terminal Bldg., New York, $135,756. Noted May 15.

Heating and Ventilating Apparatus — Jamaica, N. Y. — Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 116, Wren Pl., here, to Alvord & Swift, Grand Central Terminal Bldg., New York, $100,756. Noted May 15.

Heating and Ventilating Apparatus — New York, N. Y.—Bd. Educ., 500 Park Ave., heating and ventilating apparatus in P. S. 71, Roberts Ave., to Alvord & Swift, Grand Central Terminal Bldg., $100,756. Noted May 15.

Power Development—Watertown, N. Y.—Power Corp. of New York and Northern New York Utilities, Inc., Light and Power Bldg., power development on Beaver River at Soft Maple Dam, 2 earth dams, excavating for forebay, spillway and power house, and power house foundations, to U. G. I. Contg. Co., Broad and Arch Sts., Phila.; two 10,000 hp. turbines, to W. Cramp & Sons Ship & Engine Building Co., Richmond and Norris Sts., Phila. Total cost $2,000,000. Noted May 8.

Heating and Ventilating—Newark, N. J.—See "Buildings."

Sea Wall and Fill—West Palm Beach, Fla.—Palm Beach Investment Co., sea wall and fill, Almena and Pershing Park Lake addition, incl. 40,000 cu.yd. hydraulic dredgework; sea wall to D. E. O'Hara, West Palm Beach, $15,000; fill to A. S. Andrews, West Palm Beach, $10,000.

Ferry House, etc.—New Orleans, La.—Bd. Port Comrs., New Court Bldg., concrete and steel ferry house, foot Canal St., to J. Reiss, Carondelet Bldg., $94,000. Noted May 8.

Street Lighting System—Los Angeles, Calif.—See Streets and Roads.

Street Lighting System — Los Angeles, Calif.—Ornamental street lighting system, Park Ave. between Jefferson and Slauson Aves., to Walker & Martin, 402 West Wilshire St., Fullerton, $68,331.

Material and Equipment

BIDS DESIRED

Paving Blocks—Boston, Mass.—May 26, by Dept. Pub. Wks., City Hall, 1,500,000 new granite paving blocks. J. A. Rourke, comr. Pub. Wks.

Asphalt Macadam Binder, etc.—Brooklyn, N. Y.—May 28, by E. Riegelman boro pres., Boro Hall, Brooklyn, 75,000 gal. asphaltic macadam binder for hot application, 4,000 cu.yd. 2½ in. and 1,200 cu.yd. ¾ in. broken stone and 1,000 cu.yd. broken stone screenings.

Cement—New York, N. Y.—May 27, by H. Bruckner, pres. Bronx Boro., 3rd and Tremont Aves., furnishing 3,000 bags cement.

Concrete mixer — Columbus, O. — F and Y Constr. Co., 332 East State St., in market for concrete mixer, 7 cu.ft. capacity, and 1 hoisting machine, reversible sheave.

Sand Sucking Outfit—Kenosha, Wis.—F. A. Carlson, dir. parks, taking bids sand sucking outfit for dredging lagoons.

Asphaltic Road Oil, etc. — Milwaukee, Wis.—May 28, by Central Bd. Purchases, City Hall, 18 cars special asphaltic road oil, 81,000 ft. wire and cable.

Street Roller, etc.—Milwaukee, Wis.—May 26, by Central Bd. Purchases, City Hall, two 5 ton gasoline road rollers, three 1 bag concrete mixer, 70,000 paving bricks, and 1 carload hard sand-stone paving blocks.

Cement—Merced, Calif.—May 31, by H. P. Sargent, secy. Merced Irrigation Dist., 350,000 bbl. cement, delivery to begin about Sept. 1, 15,000 to 30,000 bbl. per month. R. V. Meikle, ch. engr.

BIDS RECEIVED

Switchboard, etc.—Cleveland, O.—City, switchboard and switchboard equipment, from Westinghouse Electric & Mfg. Co., Pittsburgh, Pa., $40,858. Noted May 1.

CONTRACTS AWARDED

Truck—Minneapolis, Minn.—F. S. Gram, city purch. agt., one 3½ ton truck, to O. M. Nelson Co., 1317 Harmon Pl., $4,495; two 2½ ton trucks, one to General Motors Truck Co., 30 North 8th St., $4,000, and one to Mack International Motor Truck Corp., 2234 University Ave., St. Paul, $4,519. Noted Apr. 24.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: June 3.

Roads and Bridges

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its office in Charleston, West Virginia, until ten o'clock A.M. on the 3rd day of June, 1924, and said proposals will be opened and read immediately thereafter at the Kanawha County Court House, Charleston, W. Va., for the construction of the following bridges and sections of State Road:

Project 3134—Kanawha County—2.2 miles of the Lock Six-Tyler Mountain Road for grading and draining. Certified check $1,200.

Project 137-B—Monroe County—5 miles of the Wolf Creek-Sinks Grove Road, for grading and draining. Certified check $3,000.

Project 131—Pocahontas County—2.0 miles of the Marlinton-Buckeye Road for paving with Bituminous Macadam. Certified check $2,500.

Project 3313—Summers County—0.9 miles of Hinton-Tug Creek Road, for grading and draining. Certified check $1,400.

Project 3200—Logan County—6 miles of the Blair-Hetzel Road for grading and draining. Certified check $4,000.

Project 3250—Mason County—3 miles of the Point Pleasant-Leon Road, for grading and draining. Certified check $2,000.

Project 3246—Putnam County—1.5 miles of the Country Club-Poca Road, for grading and draining. Certified check $1,100.

Project 2062—Brooke County—3.5 miles of the Wellsburg-Pennsylvania State Line Road for cleaning and surface treatment with tar and limestone chips. Certified check $500.

Project 3166—Calhoun County—and Project 3322—Calhoun and Gilmer Counties—7 miles of the Arnoldsburg-Stumptown Road for grading and draining. Certified check $4,000.

Project 3140—Marshall County—0.5 miles of the Ramp Hollow Road, for paving with concrete. Certified check $800.

Project 3314—Tyler County—3 miles of the Sistersville-Middlebourne Road for grading, draining and paving with Bituminous Macadam. Certified check $4,000.

Project 3163-A-1—Tyler County—1 mile of the Centerville Road for paving with Bituminous Macadam. Certified check $1,000.

Project 3082-A-1—Wetzel County—0.25 miles of River Road north of New Martinsville, for paving with concrete. Certified check $1,000.

Project 3162-A—Wetzel County—3 miles of the New Martinsville-Wileyville Road for grading and draining. Certified check $1,600.

Project 3276—Barbour County—1.5 miles of the Philippi-Clarksburg Road for grading, draining and paving with Bituminous Macadam. Certified check $2,000.

Project 3018 and 3313—Barbour County—4 miles of the Philippi-Junior Road for cleaning and cold surface treatment. Certified check $500.

Project 3157—Braxton County—Gassaway Bridge No. 932—Concrete substructure and approach fills. Certified check $1,200.

Project 3278-B—Lewis County—8 miles of the Weston-Gilmer County Line Road for grading and draining. Certified check $3,000.

Project 1129—Preston County—1.6 miles of the Albright-Bruceton Mills Road, for cleaning and cold surface treatment. Certified check $500.

Project 3221—Berkeley County—Opequon Bridge No. 957—Concrete substructure only. Certified check $500.

Project 62-R—Hardy County—0.8 miles of Main Street of Moorefield for Rock Asphalt Surface Course. Certified check $500.

Project 122-A—Mineral County—1.6 miles of the Northwestern Turnpike for paving with Bituminous Macadam. Certified check $1,200.

Project 3030—Morgan County—4.6 miles of the Berkeley Springs-Martinsburg Road for paving with Bituminous Macadam. Certified check $6,000.

Project 3033—Randolph County—Two bridges over Ralston Run Nos. 865 and 866—Concrete through girders 40 foot spans each. Both in one contract. Certified check $600.

Proposals will be received only upon State Standard forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates of quantities may be obtained from the office of the Division Engineer in whose territory the proposed construction is located, or from the office of the State Road Commission at Charleston, West Virginia.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any or all proposals.

THE STATE ROAD COMMISSION OF WEST VIRGINIA,
E. B. CARSKADON, Secretary.

Bids: June 13.

Bridge

West Chester, Pa.

Bids will be received by the Controller of Chester County, at his office in the Court House, West Chester, Pa., up until 11 o'clock a.m. Standard Time, on Monday, June 16, 1924, and then publicly opened, for the construction of a reinforced concrete bridge over French Creek on the line of Gay Street in Phoenixville, consisting of twelve spans aggregating 928 ft. between abutments.

Plans and specifications may be had upon application to the Chief Clerk to the County Commissioners and the payment of five (5) dollars for each set, or may be seen at the office of Henry H. Quimby, Consulting Engineer, 3920 Girard Ave., Philadelphia.

The Commissioners reserve the right to reject any or all bids.

Certified checks accompanying proposals must be handed to the Clerk to the County Commissioners one hour before the time stated above.

DAVID M. GOLDER, Controller.

Bids: June 18.

Sewers and Water System

Union City, Tenn.

The Mayor and Aldermen of Union City, Tennessee, will receive sealed proposals at the City Hall at Union City, Tennessee, until 2 p.m., June 18th, for the furnishing of all labor and material and constructing approximately four miles of sanitary sewers, including three reinforced concrete settling basins; laying approximately 4½ miles of 4", 6" and 8" water mains; furnishing a compressor, certain pumping equipment, a feed water heater, and steam superheaters.

Certified check 5% of bid. The right is reserved to reject any and all bids.

For Instructions to Bidders, Synopsis of Specifications, and Form of Proposal, address W. D. KEISER,
Recorder,
Union City, Tennessee.

OFFICIAL PROPOSALS

Bids: June 4.

Completion of Sewerage System

Sayreville, N. J.

Sealed proposals will be received by the Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall, Sayreville, N. J., on Wednesday, June 4th, 1924, at the hour of 8 o'clock P.M., Daylight Saving Time, (7 o'clock P.M., Standard Time), for the completion of a sewerage system in the Borough of Sayreville exclusive of sewage pumping stations.

This work will in general consist roughly of:

2.63 miles of 8-inch vitrified tile pipe sewers, varying between 0 and 22 feet in depth, with appurtenances.
1.00 mile of 10-inch vitrified tile pipe sewers, varying between 0 and 14 feet in depth, with appurtenances.
57 manholes, varying between 0 and 22 feet in depth.
0.13 mile of 8-inch cast iron outfall sewer.
0.26 mile of 6-inch cast iron force main.
0.28 mile of 10-inch cast iron force main, together with other and appertaining construction.

All of said work to be done in accordance with the plans, profiles and specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., which said plans, profiles and specifications were adopted by the Borough Council of the Borough of Sayreville, at the meeting held on Wednesday, February 20, 1924, and which said plans, profiles and specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by prospective bidders, or a set of Information for Bidders, Form of Proposal, Form of Contract, specifications, plan, and profile, can be secured from Waldo S. Coulter, Consulting Engineer, by the payment of Four Dollars ($4.00) in cash, none of which will be returned. All bids must be made on the form of proposal attached to the Information for Bidders, and must be enclosed in a sealed package or envelope.

Each bidder must accompany his bid by a certified check for Three Thousand dollars ($3,000.00) payable unconditionally to the Treasurer of the Borough of Sayreville, as a guarantee that the bidder will within ten days from the date of notice of award of the contract to him, furnish the Borough with the required bond and execute the contract.

Each bidder must accompany his bid with a certificate from a surety company, stating that such surety company will provide said bidder with a bond of the form and in the sum required. The successful bidder will be required to furnish a surety company bond to the Borough of Sayreville, for the faithful performance of the contract and protection of labor and materials furnished in said contract according to statutory requirements, in a sum at least equal to the estimated cost of the work, said bond to be approved by the Borough Attorney.

The Mayor and Borough Council reserve the right to reject any or all bids, if in their opinion it is to the best interest of the Borough so to do.

All of said work must be completed on or before the first day of December, 1924.

FRANK P. KOLB,
Borough Clerk.

Approved:
FRANK HARTMAN, Mayor.
THOMAS H. HAGERTY,
Borough Attorney.
WALDO S. COULTER,
Consulting Engineer.